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DOCKET NO.: CING-0255/236.US.D3(2)

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RADE IN Re Application of:

Michael D. Raffel, et al

Confirmation No: 9861

Application No: 10/647,105

Filing Date: April 25, 2006

For: CORDLESS CELLULAR SYSTEM

VIA HAND DELIVERY

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR § 3.73(b)

Cingular Wireless, II, LLC, a limited liability company
states that it is:
the assignee of the entire right, title, and interest; or
an assignee of an undivided part interest
in the patent application/patent identified above by virtue of either:
A. An assignment from the inventor(s) of the patent application/patent identified above.
 1. The assignment was recorded in the Patent and Trademark Office at Ree , Frame(s)
2. The assignment has not yet been recorded. A copy of the assignment is attached.

OR

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PTO/SB/80 (04-05) Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

37 CFR 3.73(b). I hereby appoint:						
	ocialed with the Customer Number:		54499		•	
OR Practitioner(s) na	amed below (if more than ten patent	practitioners are to	be named, then a cus	tomer numbe	r must be us	ed):
E	Name	Registration Number		Name		Registra Numb
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6 500g R						
<u>.</u> 8/					: .	
MARCH	(s) to represent the undersigned before					
I arrached to this form if	(s) to represent the undersigned befulcations assigned only to the underson accordance with 37 CFR 3.73(b). Trespondence address for the applications.					
Please change the cor	respondence address for the applica	ation identified in the	e attached statement			•
The address	s associated with Customer Number:	:				
OR	associated two contents					
Firm or Individual Nam	ne					
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Assignee Name and	Address:					
Cingular Wi	reless, II, LLC					•
Atlanta, Geo	dge Connector orgia 30342					
A conv of this fol	m, together with a statement i	under 37 CFR 3.7	73(b) (Form PTO/S	B/96 or equ	uivalent) is	required
filed in each appl	ication in which this lotting a	prointed practiti	oner is authorized	to act on I	behalf of th	e assign
the practitioners	the application in which this	TOWER OF FALCE	or of Booord			
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the practitioners and must identify	SIGN SIGNATURE AND LEASE SIGNATURE SIGNATURE AND LEASE SIGNATURE AND LEASE SIGNATURE A	itle is supplied belo	ow is authorized to ac	Date F	ebruary	21, 2

This collection of Information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO) to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes by the USPTO. Time will vary depending upon the individual case. Any to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
 - i. From: Michael D. Bamburak To: McCaw Cellular Communications, Inc. The document was recorded in the Patent and Trademark Office on September 7, 1995 at Reel 7692 and Frame(s) 0722
 - ii. From: **David R. Glass** To: **McCaw Cellular Communications Inc.** The document was recorded in the Patent and Trademark Office on September 8, 1995 at Reel 7692 and Frame 0740;
 - iii. From: Michael A. Raffel, Christopher G. Lawrence, Ileana A. Leuca, Joseph P. Marx, Roderick Nelson To: McCaw Cellular Communications, Inc. The document was recorded in the Patent and Trademark Office on September 8, 1995 at Reel 7692 and Frame 0758.
 - iv. From: Masud Kibria To: McCaw Cellular Communications, Inc. The document was recorded in the Patent and Trademark Office on September 8, 1995 at Reel 7692 and Frame 0770.
 - v. From: Roland E. Williams To: TCSI Corporation. The document was recorded in the Patent and Trademark Office on September, 1995 at Reel 7883 and Frame 0484.
 - vi. From: **Keith Jarett, Tony S. Lee, Paul B. O'Neill** To: **TCSI Corporation**The assignment was recorded in the Patent and Trademark Office on September 8, 1995 at Reel 7883 and Frame 0527.
 - vii. From: TCSI Corporation To: McCaw Cellular Communications, Inc. The assignment was recorded in the Patent and Trademark Office on September 7, 1995 at Reel 7692 and Frame 0749.
 - viii. From: McCaw Cellular Communications, Inc. To: AT&T Wireless Services, Inc. The Change of Name assignment document was recorded in the Patent and Trademark Office on March 15, 1996 at Reel 7835 and Frame 0273.
 - ix. From: New Cingular Wireless Services, Inc. (f/k/a AT&T Wireless Services, Inc.) To: Cingular Wireless, II, LLC. The document was sent to the United States Patent and Trademark Office for recordation on September 27, 2005. A copy thereof is attached
 - Additional documents in the chain of title are listed on a supplemental sheet.
 - Copies of assignments or other documents in the chain of title are attached.

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DOCKET NO: CING-0255/236.US.D3(2) -2-

PATENT

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: April 24, 2006

Signature

Name: Christopher M. Arena

Reg. No.: 35,429

Woodcock Washburn LLP One Liberty Place - 46th Floor Philadelphia, PA 19103 Telephone: (215) 568-3100

Facsimile: (215) 568-3439

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10-07-2	2005 U.S. DEPARTMENT OF COMMERCE
Form PTO-1595 (Rev. 09/04) OMB No. 0651-0027 (exp. 6/30/2005)	
.1030964	
	e record the ettached documents or the new address(es) below. 2. Name and address of receiving party(les)
1. Name of conveying party(les)/Execution Date(s):	Name: Cingular Wireless II, LLC.
AT&T Wireless Service, Inc.	Internal Address: Suite 1700
	Internal Address. Suite 1700
Execution Date(s) 10/27/2005; 4/11/2005 Additional name(s) of conveying party(les) attached? Yes No	Street Address: 5565 Glennidge Conn.
3. Nature of conveyance:	
Assignment Merger	City: Atlanta
Security Agreement Change of Name	State: Georgia
Government Interest Assignment	Country: USA Zip: 30342
Executive Order 9424, Confirmatory License	Additional name(s) & address(es) attached? ☐ Yes ✓ No
OtherThis	document is being filed together with a new application.
4. Application or patent number(s): A. Patent Application No.(s)	B. Patent No.(s)
See Attached Sheets	See Attached Sheets
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Additional numbers at	See Attached Sheets PR/FIH ttached? ✓ Yes No
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved: 513
Name: Cinquiar Wireless, LLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 20,520
Internal Address: Attn; Linda Giles	Authorized to be charged by credit card
#1725A	Authorized to be charged to deposit account
Street Address: 5565 Glenridge Connector	Enclosed
	None required (government interest not affecting title)
City: Atlanta	8. Payment Information
State: Georgia Zip: 30342	a. Credit Card Last 4 Numbers Expiration Date
Phone Number: 404-236-6720	b. Deposit Account Number 502450
Fax Number:	Authorized User Name Counter C. Henry
Email Address: linda.glles@cinguler.com	
9. Signature:	9/27/2005
Signature	Date
Coulter C. Henry; Reg. No.: 57,121 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:
Name of Person Signing	The man and the man and the

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Patents

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Patent Applications

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Patent Applications

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PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT ("Assignment") is executed by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") #k/a AT&T Wireless Services, Inc., on the one hand, and Cingular Wireless II, Inc., a Delaware corporation ("Assignee"), on the other hand.

WHEREAS, Assignor is the owner of certain patentable inventions, patent applications and patents (as disclosed and set forth in Schedule A; collectively, the "Patents"), which Assignor desires to assign to Assignee; and

WHEREAS, Assignee desires to accept such assignment of the Patents.

NOW, THEREFORE, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

- 1. Assignment of Patents. Effective as of the date hereof, Assignor assigns, transfers and conveys to Assignee, its successors, assigns and legal representatives, all of Assignor's right, title and interest in and to the Patents, all agreements and contracts of Assignor related to such Patents (the "Related Agreements") and the improvements and inventions disclosed in said Patents throughout the world, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions and improvements in Assignee's own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said inventions and all rights to register said inventions in appropriate registries. Assignor authorizes and requests the Commissioner of Patents and Trademarks and any foreign registrar or governmental authority to issue all patents on said applications or applications resulting therefrom to said Assignee, as assignee of Assignor's entire interest. Assignor agrees that it will communicate to said Assignee or its representatives any facts known to Assignor respecting said improvements and inventions, and, at Assignee's expense, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns and nominees, to obtain and enforce proper protection for said Patents in all countries, and asserts that it will not execute any agreements inconsistent therewith. Assignee acknowledges that Assignor's assignment of any jointly owned Patent identified on Schedule A shall be subject to any rights such joint owner may have in such Patent.
- 2. <u>Assumption</u>. Effective as of the date hereof, Assignee hereby assumes the due and full payment and performance of all of the liabilities and obligations of Assignor under the Related Agreements.
- 3. Governing Law. This Assignment shall be governed by and construed in accordance with the laws of the United States of America and of the State of Delaware.

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- 4. Successors and Assigns. This Assignment shall inure to the benefit of and be binding on the successors and assigns of both parties.
- 5. Patents Subject to Consent. To the extent that any of the Assignor's right, title or interest in and to the Patents or any other rights, contracts, agreements or assets of the Assignor related thereto and/or liabilities or obligations of Assignor purported to be assigned hereunder may not be assigned, transferred or conveyed to, or assumed by, Assignee without the consent, release, authorization or waiver of any third party and such consent, release, authorization or waiver has not been obtained prior to the date hereof (such Patents and other rights, contracts, agreements and assets, the "Non-Transferable Patents" and such liabilities and obligations, "Non-Transferable Liabilities"), this Assignment shall not constitute an assignment, transfer, conveyance or assumption or an attempted assignment, transfer, conveyance or assumption thereof. In this circumstance, this Assignment shall to the extent possible under the Non-Transferable Patent and applicable law constitute an equitable assignment by Assignor to Assignee of all of Assignor's right, title and interest in and to, the Non-Transferable Patents and Assignee shall be deemed to be Assignor's agent for the purpose of paying, performing or discharging the Non-Transferable Liabilities on behalf of Assignor. Assignor shall take all actions reasonably requested by Assignee to provide Assignee with the benefits of the Non-Transferable Patents, including with respect to the enforcement of rights with respect thereto. Assignee shall, with respect to the Non-Transferable Liabilities, pay, perform or discharge in accordance with their terms all liabilities and obligations of Assignor under the Non-Transferable Liabilities. If Assignor is unable to effect an equitable assignment of any Non-Transferable Patent, Assignor shall transfer to Assignee an amount of cash equal to the fair market value (determined as of the date of this Assignment) of such Non-Transferable Patent.

[signatures on following pages]

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Executed this $21^{1/2}$ day of October, 2004.

Assignor: NEW CINGULAR WIRELESS SERVICES, INC. f/k/a AT&T Wireless Services, Inc.

By:

Title: Vice President - Corporate Development

APPROVED:

GEORGIA STATE OF COUNTY OF

On this 31 day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared Stephen A. Mc Gaw known by me to be the person above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute this Assignment Agreement on behalf of New Cingular Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.

Notary Public My Commission Expires:

Skery of Harrey

SHERRY L. GARRETT - NOTARY PUBLIC

County of DeKalb

State of Georgia

My Commission Expires Oct. 16, 2005

Execution Copy

Acknowledged this 27^{4} day of October, 2004.

Assignee: CINGULAR WIRELESS II, INC.

Title: Vice Prexident-Carporate Development

KEFROYELY,

STATE OF COUNTY OF

On this 27 day of October, 2004, before me, a Notary Public in and for the State and County foresaid, personally appeared Stephen Mc Gaw known by me to be the person above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the foregoing instrument on behalf of Cingular Wireless II, Inc.

Notary Public My Commission Expires:

SHERRY L GARRETT - NOTARY PUBLIC

Sherry & Harrett

County of

State of Georgia

My Commission Expires Oct. 15, 2:305

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Schedule A

Patents

All inventions and trade secrets and related rights of Assignor not otherwise listed below

Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	OWIG				Antenna for Enhanced
3:1977	08/400563	5638081	AT&T Wireless	United States	15-Jun-95	10-Jun-97	Radio Coverage
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	1000000	· · · · · · · · · · · · · · · · · · ·	AT&T Wireless	European Faterit Convention	06-Oct-94	·	Antenna Mounting System
149.EPC	93902307				30 cm	24-Jun-97	Antenna Mounting System
149.US	1965220	5641141	AT&T Wireless	United States	00-2011-90		Arrangement of Displays
		<u> </u>		000000	22.Sep.04	13-Jan-98	for a Wireless Communications Terminals
150.US	29/024956	D389140	AT&T Wireless	United States	20-02h-04		Wireless Communications
		D363284	AT&T Wireless	United States	23-Jun-94	17-Oct-95	Terminal Communicator
153.US	29/024933	020000			20 11:00	04-104-03	With Flip Element Display
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Title	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile Radio	High Rate Reed-Solomon Concatenated Trellis Coded 16 Star QAM System for Transmission of Data Over Cellular Mobile Radio	Cyclic Trellis Coded Modulation	Cyclic Trellis Coded Modulation	Cyclic Trellis (Modulation	Cyclic Trellis Modulation	Cyclic Trellis Coded Modulation	Cyclic Trellis Coded Modulation	Cyclic Trellis-Coded Modulation	Cyclic Trellis-Coded Modulation	System and Method for Wireless Transmission of Digital Data Using Differentially Encoded Pile Words	Differentially Encoded Pilo Word System and Method
Grant Date		19-Aug-97	17-Nov-98	13-Apr-04	25-May-00	07-Oct-97	03-Aug-99	21-Jul-98	25-May-99	10-Jun-03		17-Jul-03	
Application Date		23-Nov-94	06-May-97	22-Nov-95	22-Nov-95	23-Nov-94	09-Jul-97	11-Dec-95	17-Nov-95	04-Jan-02	07-May-03	22-Nov-95	22-Nov-95
Country		Mexico 2.	United States 0	Brazil 2	Mexico 2	United States 2	United States 0	United States 1	United States 1	United States 0	United States 0	Brazil	g
Owner		AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless		
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981350 AT&T Wireless Mexico Patent	70. DA	3100000						Memory Exceed
981350 AT&T Wireless Mexico Patent					•			Notification for Wireless
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Docket	Application	Lalen	Carron	Name	Date	Date	Title
Number	Number	Number		Treaty			Network Communication Device
					20 Eur 07	24.Atio-00	Memory Exceed Notification for Wireless Network Communication Device
WT.702	86108772	114335	AT&T Wireless	laiwan	20-Juli-91		Memory Exceed
		10000	AT&T Wireless	United States	07-Mar-00	30-Sep-03	Notification for Wireless Network Communication Device
207.US.C1	09/519993	6569700			2 0.00	08-Sep-99	Landine-Supported Tives Base Station for Collecting Data and Switchable Into a Cellular Network
WT.805	86118807	103007	AT&T Wireless	Iawan	15-Dec-31	200	Landline-Supported Private
		24500K	AT&T Wireless	United States	17-Dec-96	02-Jan-01	Base Station for Collecting Data and Switchable Into a Cellular Network
209.US	08/768371	CARAGIO	2000				Telephone System Having
				Brozi	24-Jun-97		Base Station Switchable Into Cellular Network
210.BR	9710989-4		Al&I Wireless				Telephone System Having
						18_Mar-03	Landline-Supported Private Base Station Switchable Into Cellular Network
210.CA	2259273	2259273	AT&T Wireless	Canada	Z4-3011-31		Telephone System Having
			and Mirales	European Patent	24-Jun-97		Landline-Supported Private Base Station Switchable Into Cellular Network
210.EPC	97930213		Alai Wildiess				Telephone System Having
				<u> </u>	24. hm-97		Base Station Switchable Into Cellular Network
210.JP	10-504243		AT&T Wireless	Japan			Telephone System Having
							Landline-Supported Private Base Station Switchable
210 MX	990238	•	AT&T Wireless	Mexico	24~Jun-97		Telephone System Having
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WT 016	86108826	93482	AT&T Wireless	Taiwan	24-Jun-97	16-Jul-98	Into Cellular Network
410.12						٠.	

Docket	Application	Patent		Country	Application	Grant	-
Number	Number	Number	Owner	Name	Date	Date	Title
		4.					Telephone System Having Landline-Supported Private Base Station Switchable
210.US	08/671745	6035193	AT&T Wireless	United States	28-Jun-96	07-Mar-00	Into Cellular Network
244 CA	2105404	2105404	ATPT Mirriago	Canada	70-951-05	24. Anr. 04	Roaming Authorization
27.17	Z132434	464C817	Alai Wireiess	Callada	70-191-01	0-100-47	Oyacan
211.EPC	97101730.6		AT&T Wireless	European Patent Convention	04-Feb-97		Roaming Authorization System
211.US	1951340	6411807	AT&T Wireless	United States	05-Feb-96	25-Jun-02	Roaming Authorization System
211.US.C1	10/051713	6560455	AT&T Wireless	United States	17-Jan-0 <u>2</u>	06-May-03	Roaming Authorization System
213.CA	2195487	2195487	AT&T Wireless	Canada	20-Jan-97	15-Oct-02	Location-Dependent Cellular Service Profile
213.US	08/603290	5950125	AT&T Wireless	United States	20-Feb-96	07-Sep-99	Location-Dependent Cellular Service Profile
218 BP CD4	74447		AT8T Minior	Brozil	20 Fob. 07		Method and Apparatus for Determining the Location
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218 CA CP1	2195591	2105501	AT&T Wireless	Canada	21-lan-97	04-Sep-01	Determining the Location of a Mobile Telephone
		100014	2000				Method and Apparatus for
218.MX.CP1	971205	200820	AT&T Wireless	Mexico	17-Feb-97	09-Feb-01	Determining the Location of a Mobile Telephone
							Method and Apparatus for
218.US	08/472082	5732354	AT&T Wireless	United States	07-Jun-95	24-Mar-98	Of a Mobile Telephone
							Method and Apparatus for
218.US.CP1	08/603793	5724660	AT&T Wireless	United States	20-Feb-96	03-Mar-98	of a Mobile Telephone
221 CA	2191143	2191143	AT&T Wireless	Canada	25-Nov-96	16-Mav-00	Radio Telephone With Detachable Pager
221.US	08/576385	5854984	AT&T Wireless	United States	21-Dec-95	29-Dec-98	Radio Telephone With Detachable Pager
							Method and Apparatus for
							Indicating to a Wireless Network the Operational
223 CA	2010000		A T O T 14 (1-2)	7000	90		Mode of a Wireless

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							A Method for Selecting a
							Service Provider in a Multi-
							Service Provider
224.US.C2C1(1)	10/154856	6771961	AT&T Wireless	United States	28-May-02	03-Aug-04	Environment
							A Method for Selecting a Wireless Communications
	•						Service Provider in a Multi-
224 118 020403	603474		AT&T Wireless	United States	25-Mav-04		Service Provider Environment
44.03.020.1(2)	-00041		2000				Method and Apparatus for
				Inited States	28_ hit.97	26-Oct-99	Storing Activation Data in a
725.05.01	08/90182/	.0874311	AIGI MIGGS	Ollifor Oratos	2000		Method and Apparatus for
						40 May 03	Storing Activation Data in a
225.US.C2	09/219872	6650893	AT&T Wireless	United States	24-Dec-98	18-NOV-03	Method and Apparatus for
					•		Storing Activation Data in a
225.US.C3	1902793	6748209	AT&T Wireless	United States	09-Aug-01	08-Jun-04	Cellular Telephone
							Method and Apparatus for Storing Activation Data in a
225.US.C4	10/805247		AT&T Wireless	United States	ZZ-Mar-04		Cellular Telephone
226 CA	2182817	2182817	AT&T Wireless	Canada	07-Aug-96	09-Apr-02	Method and Apparatus for Spectrum Analysis
20.027							Method and Apparatus for
226.US.C1	09/439015	6584175	AT&T Wireless	United States	12-Nov-99	24-Jun-03	Spectrum Analysis
							Wireless Network Offering
232 C.A	2274517		AT&T Wireless	Canada	16-Oct-97		a Desired Service Feature
				European Patent	-		Dynamically Reconfigurable Wireless
232 FPC	97954673.6		AT&T Wireless	Convention	16-Oct-97		Communicator
							Dynamically Reconfigurable Wireless
232.JP	-100135		AT&T Wireless	Japan	16-Oct-97		Communicator
311000	000777	6040473	AT&T Wireless	United States	30-Apr-96	06-Oct-98	Dynamically Reconfigurable Wireless Communicator
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239633/1996 AT&T Wireless Japan 11-Sep-96 965014 200024 AT&T Wireless Mexico 22-Oct-96 23-Dec-00 004/56/130 5865503 AT&T Wireless United States 30-Oct-95 02-Feb-99 004/56/130 5865503 AT&T Wireless Canada 12-Now-96 24-Sep-03 00 96119565.8 89630100.8 AT&T Wireless Convention 05-Dec-96 24-Sep-03 00 96119565.8-2412 778716 AT&T Wireless Convention 05-Dec-96 24-Sep-03 00 96119565.8-2412 778716 AT&T Wireless Convention 05-Dec-96 24-Sep-03 00 301635-7 AT&T Wireless Great Britain 05-Dec-96 24-Sep-03 00 301635-8 AT&T Wireless Japan 16-Lun-03 05-Dec-96 00 2003-170351 AT&T Wireless Japan 16-Lun-03 07-Jan-04 00 2003-170351 AT&T Wireless Japan 16-Lun-03 07-Jan-04 00 <	233.CA	2184424	21012				٠.	Electronic Communications
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							Customer Activation
235.US.C1	09/619108	6490445	AT&T Wireless	United States	19-Jul-00	03-Dec-02	System for Cellular Network
							Customer Activation
235.US.C1(1)	10/226755	6725033	AT&T Wireless	United States	23-Aug-02	20-Apr-04	Network
		,					Customer Activation
235.US.C1(2)	10/814574		AT&T Wireless	United States	31-Mar-04		System for Cellular Network
236.CA	2231452	2231452	AT&T Wireless	Canada	96-daS-90	25-Jun-02	Cordless Cellular System Base Station
236.CA.D1	2323253		AT&T Wireless	Canada	06-Sep-96		Cordless Cellular System Base Station
236.CA.D2	2335283		AT&T Wireless	Canada	06-Sep-96		Cordless Cellular System Base Station
236.CA.D3	2335275		AT&T Wireless	Canada	06-Sep-96		Cordless Cellular System Base Station
236.EPC	96930783.4		AT&T Wireless	European Patent Convention	06-Sep-96		Cordless Cellular System Base Station
236.EPC.D1	2077853.6		AT&T Wireless	European Patent Convention	06-Sep-96		Cordless Cellular System Base Station
236.EPC.D2	2077852.8		AT&T Wireless	European Patent Convention	06-Sep-96		Cordless Cellular System Base Station
236.HK1	3103379.2		AT&T Wireless	Hong Kong	13-May-03		Cordless Cellular System Base Station
236.HK2	3103378.3		AT&T Wireless	Hong Kong	13-May-03		Cordless Cellular System
236.JP	9-512751		AT&T Wireless	Japan	06-Sep-96		Cordless Cellular System Base Station
236.MX	981829	202590	AT&T Wireless	Mexico	06-Sep-96	22-Jun-01	Cordless Cellular System Base Station
236.US	-260934	5675629	AT&T Wireless	United States	08-Sep-95	07-Oct-97	Cordless Cellular System Base Station
236.US.D2(1)	10/279866	6681118	AT&T Wireless	United States	25-0ct-02	20-Jan-04	Cordless Cellular System
236.US.D3(1)	10/235039	6611692	AT&T Wireless	United States	04-Sep-02	26-Aug-03	Cordless Cellular System
236.US.D3(2)	10/647105		AT&T Wireless	United States	22-Aug-03		Cordless Cellular System
239.CA	2261927	2261927	AT&T Wireless	Canada	11-Jul-97	18-Nov-03	Method for Allocating a Mobile Station TMSI

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2000	Application	Patent		Country	Application	Grant	
Docker	Application	Nimber	Owner	Name	Date	Date	litle
Number	Number			European Patent	11-701-97		Method for Allocating a Mobile Station, TMSI
239.EPC	97934931.3		Al&i Wireless				Method for Allocating a
		001100	AT&T Wireless	Mexico	11-Jul-97	18-Dec-01	Mobile Station TMSI
239.MX	096066	202/08	20010111				Method for Allocating a
, A.F. 05	88100004	04590	AT&T Wireless	Taiwan	15-Jul-97	11-Sep-98	Mobile Station TMSI
733.174	00103334					00 274 70	Method for Allocating a
239.US	08/688626	6039624	AT&T Wireless	United States	29-701-96	Z1-War-00	Method and Apparatus for
							Wireless Communication
114 676	76470/06	713550	AT&T Wireless	Australia	19-Dec-96	16-Mar-00	System Organization
243.AU	0000	2000					Wireless Communication
				Brovil	17-Dec-96	,	System Organization
243.BR	9606032		Ald Wireless	0.92			Method and Apparatus for
				2	18.Nov.06	24-Oct-00	Wireless Communication System Organization
243.CA	2190552	2190552	AT&T Wireless	Canada	00-101		Method and Apparatus for
					·		Wireless Communication
			AT&T Wireless	Great Britain	09-Dec-96	08-Mar-00	System Organization
243.GB	9625564.1	7308927	2000				Method and Apparatus for
			1		22-Nov-96		System Organization
243.IN	2096/MAS/96		AT&I WIREIESS	HOIR	201.25		Method and Apparatus for
					,		Wireless Communication
9	20000		AT&T Wireless	Japan	19-Dec-96		System Organization for
243.JF	220022						Wireless Communication
•			ATRT Wireless	United States	21-Dec-95	02-Mar-99	System Organization
243.US	08/575974	28/8328	200			· ·	Concurrent Kinging on Multiple Network
				Tohiton	24-Jun-97	05-Jul-99	Telephones
246.TW	86108830	101482	AI&i Wireless				Concurrent Ringing on
				Cototo Letter	27. hm-06	11~fun-02	Telephones
246.US	08/669805	6405041	AT&T Wireless	Onlied States	20-Inc. 17		Concurrent Ringing on
							Multiple Network
10 011070	40/123466	R584317	AT&T Wireless	United States	15-Apr-02	24~Jun-03	Codest Care Transmission
240.03.01	00000				···		Using Dynamic Channel
247.CA	2238552	2238552	AT&T Wireless	Canada	22-Nov-96	14-Dec-99	Assignment
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	Title	Packet Data Transmission Using Dynamic Channel Assignment	Method and Apparatus for Providing Telecommunication	Subscriber Profile Updated by a Personal Information Manager	Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Undated	by a Personal Information Manager	Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager	Method and Apparatus for Providing Telecommunication Services Based on a Subscriber Profile Updated by a Personal Information Manager	Method and Apparatus for Providing Telecommunication			
	Grant Date		13-Dec-01		04-Aug-98				18-Feb-03			
	Application Date	22-Nov-96	22-Nov-96	22-Nov-96	28-Nov-95		19-May-97		19-May-97	19-May-97	19-May-97	
	Country Name	European Patent Convention	Mexico	Patent Cooperation Treaty	United States		Brazil		Canada	European Patent Convention	Japan	
	Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless		AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	
	Patent Number		205488		5790551				2228169			
	Application Number	96939741.3		396/18743	08/563816		384115		2228169	97926592.3	10-500600	
	Docket Number			247.PCT	247.US		248.BR		248.CA	248.EPC	248.JP	

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19380461								Nanager
19380461 AT&T Wireless Norway 19.May-97 Description 19.May-97 Description 19.May-97 Description 19.May-97 Description 19.May-97 Description 19.May-97 Description Desc								Method and Apparatus for
19960461								Providing
19960461				:				Telecommunication
19980461 AT&T Wireless Norway 19-May-97 Norway 19-May-97 Norway 19-May-97 Norway 19-May-97 Norway 19-May-97 Norway Norw								Services Based on a
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19980461				•		10.May.97		Manager
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PCT/US97/08455 AT&T Wireless Treaty (Cooperation Theaty Treaty (Cooperation Treaty Treaty Treaty Treaty (Canada 11-Jun-97 18-Jun-98 17-Jun-97 18-Jun-98 17-Jun-97 18-Jun-98 17-Jun-97 18-Jun-99 17-Jun-97 18-Jun-99 17-Jun-97 18-Jun-99 17-Jun-97 18-Jun-97 18-Jun-99 17-Jun-97 18-Jun-97 18-J								Providing
PCTAUS97/08455 AT&T Wireless Patent Cooperation (Cooperation 19-May-97) PCTAUS97/08456 19-May-97 Patent Cooperation (Cooperation 19-May-97) PCTAUS97/08456 PCTAUS97/08457				•				Telecommunication
Patenti Cooperation 19-May-97 In Patenti Cooperation 19-May-97 In								Services Based on a
PCT/US97/08455 AT&T Wireless Treaty 19-May-97 18-Jun-98 19-Jun-98 11-Jun-97 18-Jun-98 11-Jun-97 18-Jun-97					Patent			by a Personal Information
### PCTAUS9708455 AT&T Wireless I reavy 10-mg/10 18-Jun-98 18-Jun-98 19-Jun-98 19-Jun-97 19-		-		•	Cooperation	10.Mav.07		Manager
86107435 93010 AT&T Wireless Talwan 30-May-97 18-Jun-98 188849 593378 AT&T Wireless United States 04-Jun-96 03-Aug-99 1708555 AT&T Wireless Brazil 11-Jun-97 22-Jan-02 22-Jan-02	248.PCT	PCT/US97/08455		AT&T Wireless	reary	i S-YBINI-SI		Method and Apparatus for
86107435 93010 AT&T Wireless Taiwan 30-May-97 18-Jun-98 888849 5933778 AT&T Wireless United States 04-Jun-96 03-Aug-99 9706555 AT&T Wireless Brazil 11-Jun-97 22-Jan-02								Providing
86849 593778 AT&T Wireless Talwan 30-May-97 18-Jun-98 888849 5933778 AT&T Wireless United States 04-Jun-96 03-Aug-99 9706555 AT&T Wireless Brazil 11-Jun-97 22-Jan-02	•							Telecommunication
86107435 93010 AT&T Wireless Talwan 30-May-97 18-Jun-98 888849 5933778 AT&T Wireless United States 04-Jun-96 03-Aug-99 9706555 AT&T Wireless Brazil 11-Jun-97 22-Jan-02								Services Based on a Subscriber Profile Updated
86107435 93010 AT&T Wireless Taiwan 30-May-97 18-Jun-98 888849 5933778 AT&T Wireless United States 04-Jun-96 03-Aug-99 9706555 AT&T Wireless Brazil 11-Jun-97 22-Jan-02								by a Personal Information
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888849 5933778 AT&T Wireless United States 04-Jun-96 03-Aug-99 9706555 AT&T Wireless Brazil 11-Jun-97 AT&T Wireless Canada 11-Jun-97 22-Jan-02		•						Providing Telecommunication
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888849 5933778 AT&T Wireless United States OFFICIAL STATE Wireless 9706555 AT&T Wireless Brazil 11-Jun-97 AT&T Wireless Canada 11-Jun-97		·				90 000	03-Aug-99	Manager
9706555 AT&T Wireless Brazil 11-Jun-97 AT&T Wireless Canada 11-Jun-97 22-Jan-02	248 US	888849	5933778	AT&T Wireless	United States	06-100-40		Method and Apparatus for
9706555 AT&T Wireless Brazil 11-Jun-97 AT&T Wireless Canada 11-Jun-97 22-Jan-02								Maintaining Channel
9706555 AT&T Wireless Brazil 11-Jun-97 AT&T Wireless Canada 11-Jun-97 22-Jan-02								Priority in a Multiple
9706555 AT&T Wireless Brazil 11-Jun-97 22-Jan-02	•					3		System Environment
22-Jan-02 (11-Jun-97 (22-Jan-02)	. 00 030	0706555		AT&T Wireless	Brazil	11-Jun-8/		Method and Apparatus for
22-Jan-02 11-Jun-97 22-Jan-02	Va.002	200016		:				Maintaining Channel
22-Jan-02 11-Jun-97 22-Jan-02								Priority in a Multiple
AT&T Wireless Canada 11Jun-97 ZZ-Jan-0Z						,		Wireless Continuing
	0 010	2227507	2237597	AT&T Wireless	Canada	11-Jun-97	22-Jan-02	System Environment

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Title	Apparatus for thannel tultiple ununication onment	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Mutti-Service Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
Ë	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment	Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless Communication System Environment Method and Apparatus for Maintaining Channel Priority in a Multiple Wireless	Method and Apparatus fo Maintaining Channel Priority in a Multiple Wireless Communication System Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Servic Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Servic Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Servic Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Servic Provider Environment	A Method for Selecting a Preferable Wireless Communications Service Provider in a Multi-Service Provider Environment
Grant Date	06-101-01	16.Dec.98	12-Oct-99	01-May-01	21-May-03	21-May-03		21-Mav-03
Application Date	11Jun-97	23lun-97	28-Jun-96	21-Oct-96	12-Dec-96	12-Dec-96	12-Dec-96	12.Dec-96
Country Name	Mexico	Taiwan	States	Canada 2	Germany	European Patent Convention	atent	France
Owner	AT&T Wireless			AT&T Wireless		AT&T Wireless	AT&T Wireless	A T OT Wilsolose
Patent Number	202891	06577	5966642	2188329	69628270	779753		7707.63
Application Number		6.2	08/672898	2188329	96120010.2	96120010.2	3011438.3	
Docket Number				252.CA		U	Į.	

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		4		Country	Application	Grant	
Docket	Application	Patent	Owner	Name	Date	Date	Title
Number	Number	Number	5				A Method for Selecting a Preferable Wireless
							Communications Service
-							Provider in a Multi-Service
			AT9T Mireless	Great Britain	12-Dec-96	21-May-03	Provider Environment
252.GB	96120010.2	779753	Alai Wildias			 -	A Method for Selecting a
	-						Preferable Wireless
							Communications Service
							Provider in a Multi-Service
	•		ATOT Missipace	Mexico	09-Dec-96		Provider Environment
252.MX	966232		AIGI WIIGIGSS	2011			A Method for Selecting a
•							Preferable Wireless
•						-	Communications Service
	•						Provider in a Multi-Service
			ATPT Mirelese	United States	12-Dec-95	09-Jul-02	Provider Environment
252.US	08/570904	6418318	A101 WIEGGS			·	A Method for Selecting a
							Preferable Wireless
							Communications Service
							Provider in a Multi-Service
			2001-1111	I Inited States	19-Mar-02	24-Aug-04	Provider Environment
252.US.C1	10/099944	6782259	AI&I WIFEIESS	20000			A Method for Selecting a
				,			Preferable Wireless
							Communications Service
							Provider in a multi-selvice
	•		AT&T Wireless	United States	26-May-04		Provider Environment
252.US.C1(1)	mailed		2000				A Method for Selecting a
				:			Wireless Service Provider
							in a Multi-Service Provider
							Environment Using a
		740022	AT&T Wireless	Canada	21-Oct-96	06-Aug-02	Geographic Database
253.CA	2166333	Z100000					Method for Selecuing a
•		٠.		•			Wireless Service Flower
							Fryironment Using A
					42 000 06	16-Jun-04	Geographic Database
253.DE	69632713.908	779752	AT&T Wireless	Germany	15-060-90		Method for Selecting a
						· ·	Wireless Service Provider
						·	In a Multi-Service Provider
	•		•	European Patent			Environment Using A
			ATPTMireless	Convention	12-Dec-96	16-Jun-04	Geographic Database
253.EPC	96120005.2	779752	AIGH WILDIGSS				A Method for Selecting a
							Wireless Service Provider
•					90	02, hul.01	Environment Using a
253 MX	966231	202750	AT&T Wireless	Mexico	08-080-80	100.00	
						•	

Number Owner 5905955 AT&T Wireless 2282443 AT&T Wireless 210069 AT&T Wireless 106908 AT&T Wireless 6167261 AT&T Wireless 6567671 AT&T Wireless 749334 AT&T Wireless AT&T Wireless AT&T Wireless	<u> </u>	Patent		Country	Application	Grant	
C 98904684.2 2282443 AT&T Wireless C 98904684.2 210069 AT&T Wireless B 997818 210069 AT&T Wireless B7101700 106908 AT&T Wireless D1 10406912 AT&T Wireless D1 10406912 AT&T Wireless D1 10406912 AT&T Wireless D1 173877 AT&T Wireless D1 773877 AT&T Wireless D1 126070 AT&T Wireless	Number	Number	Owner	Name	Date	Date	Title
C 98904684.2 2282443 AT&T Wireless C 98904684.2 AT&T Wireless B 997818 210069 AT&T Wireless B 7101700 106908 AT&T Wireless B 2244682 AT&T Wireless D1 10/406912 AT&T Wireless D1 10/406912 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless							Geographic Database
C 98904684.2 228244.3 AT&T Wireless C 98904684.2 210069 AT&T Wireless B 997818 210069 AT&T Wireless B 106908 AT&T Wireless B 106908 AT&T Wireless B 2244682 AT&T Wireless B 10/406912 AT&T Wireless B 16648/97 749334 AT&T Wireless D 773877 AT&T Wireless D 126070 AT&T Wireless							A Method for Selecting a Wireless Service Provider In a Multi-Service Provider
C 98904684.2 AT&T Wireless 997818 210069 AT&T Wireless 997818 210069 AT&T Wireless 08/810959 6167261 AT&T Wireless D1 10/406912 AT&T Wireless D1 10/406912 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless		955	AT&T Wireless	United States	12-Dec-95	18-May-99	Environment Using a Geographic Database
C 98904684.2 AT&T Wireless 997818 210069 AT&T Wireless 87101700 106908 AT&T Wireless 08/810959 6167261 AT&T Wireless D1 10/406912 AT&T Wireless D1 10/406912 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless		443	AT&T Wireless	Canada	03-Feb-98	14-Oct-03	Wireless Communication Service Manadement
997818 210069 AT&T Wireless 87101700 106908 AT&T Wireless 08/810959 6167261 AT&T Wireless 2244682 2244682 AT&T Wireless D1 10/406912 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless	8904684.2	•	AT&T Wireless	European Patent Convention	03-Feb-98		Wireless Communication Service Management
87101700 106908 AT&T Wireless 08/810959 6167261 AT&T Wireless 2244682 2244682 AT&T Wireless D1 10/406912 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless		69	AT&T Wireless	Mexico	03-Feb-98	02-Sep-02	Wireless Communication Service Management
08/810959 6167261 AT&T Wireless 2244682 2244682 AT&T Wireless D1 10/406912 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless		90	AT&T Wireless	Taiwan	09-Feb-98	12-Jan-00	Wireless Communication Service Management
2244682 2244682 AT&T Wireless 08/909387 6567671 AT&T Wireless D1 10/406912 AT&T Wireless 16648/97 749334 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless		261	AT&T Wireless	United States	27-Feb-97	26-Dec-00	Wireless Communication Service Management
D1 10/406912 AT&T Wireless D1 10/406912 AT&T Wireless D1 773877 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless		285	AT&T Wireless	Canada	11-Aug-98	30-Mar-04	Wireless Communication Device With Call Screening
D1 10/406912 AT&T Wireless 16648/97 749334 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless		571	AT&T Wireless	United States	11-Aug-97	20-May-03	Wireless Communication Device With Call Screening
16648/97 749334 AT&T Wireless D1 773877 AT&T Wireless 126070 AT&T Wireless	3/406912		AT&T Wireless	United States	02-Apr-03		Wireless Communication Device With Call Screening
D1 773877 AT&T Wireless 126070 AT&T Wireless		34	AT&T Wireless	Australia	01-Apr-97	24-Oct-02	Method for Defermining Organization Parameters in a Wireless Communication System
126070 AT&T Wireless	23877		AT&T Wireless	Australia	20-Mar-02		Method for Determining Organization Parameters in a Wireless Communication System
	02000		AT&T Wireless	Brazil	27-Mar-97		Method for Determining Organization Parameters in a Wireless Communication System
258.CA 2199310 2199310 AT&T Wireless Canada		110	AT&T Wireless	Canada	06-Mar-97	23-Apr-02	Method for Determining Organization Parameters in a Wireless Communication System

Docket A Number 258.GB 970	Application Number	Patent		Country Name	Application	Grant Date	Title
Jan 1	Number			2000	חשונ		
		Number	CWIE				Method for Determining
							Organization Parameters in
	:.						a Wireless Communication
		22440428	AT&T Wireless	Great Britain	01-Apr-97	11-Oct-00	System
	9706533.8	2318162					Method for Determining
		•			•	,	Organization Parameters III
							a Wireless Communication
	. !		ATOTIMinologe	India	04-Apr-97		System.
258.IN 71	717/MAS/97		Algi Wildigs				Method for Determining
			•			•	Organization Parameters in
	•						a Wireless Communication
		-		2000	04-Apr-97		System
258.JP 85	85443/1997		A I & I WITEIESS	Japan			Method for Determining
							Organization Parameters In
	· ·			:		44 000 00	System System
258115	OR/628214	6496700	AT&T Wireless	United States	04-Apr-96	17-Dec-02	Mathod for Determining
	0050514						Organization Parameters in
							a Wireless Communication
			Coclesial Fore	Linited States	25-Feb-02		System
258.US.D2 10	10/082402		A1&1 Wireless	COURCE CHANGE			Method and System for
			. •		. •		Automatic Activation of a
			ATRT Wireless	Brazil	15-Jul-97		Wireless Device
260.BR	1992490		AIGH WILEIGES				Method and System for
							Automatic Activation of a
			ATRT Windlace	Canada	03-Jul-97	12-Jun-01	Wireless Device
260.CA	2209528	9756077	Algi viididə				Method and System for
		•		European Patent			Automatic Activation of a
			AT&T Wireless	Convention	26-Jun-97		Wireless Device
260.EPC 9	97304542						Method and System for
					:		Automatic Activation of a
			AT&T Wireless	Japan	16-Jul-97		Wireless Device
260.JP	190864/199/	1	2000				Method and System for
-						;	Automatic Activation of a
	775441	207169	AT&T Wireless	Mexico	08-Jul-97	14-Mar-02	Wireless Device
260.MX	9/5114	201 103					Method and System for
_		,					Autorial Converses
	9450		AT&T Wireless	Norway	08-Jul-97		Wireless Device
Z90.NO	18873130	+					Method and System for
,				1	100 to 100	18_Nov-08	Wireless Device
260 TW	86109681	95961	AT&T Wireless	lawan	18-101-60	25-501-51	Method and System for
					<u> </u>		Automatic Activation of a
			20010-201	1 Inited States	16-Jul-96	21-Sep-99	Wireless Device

Number N	Docket	Application	Patent		Country	Application	Grant		
C 97927784.4 AT&T Wineless Cariada 02-Jun-97 01-Jun-04 10-504109 AT&T Wineless European Patent 02-Jun-97 01-Jun-07 10-504109 AT&T Wineless Japan 02-Jun-97 02-Jun-97 10-504109 AT&T Wineless United States 22-Jun-97 22-Feb-99 C1 081652769 AT&T Wineless United States 22-Jun-97 10-Dec-02 C1 08168919 AT&T Wineless United States 22-Jun-97 10-Dec-02 C2 9710455-8 AT&T Wineless Brazil 24-Jun-97 10-Dec-02 C2 578230 AT&T Wineless Canada 24-Jun-97 10-Dec-09 C 97832328.8 AT&T Wineless Japan 14-Dec-98 10-Dec-98 B6108823 94720 AT&T Wineless Japan 24-Jun-97 10-Dec-98 C 026672007 5845198 AT&T Wineless Japan 24-Jun-97 01-Dec-98 C 10-56419 AT&T Wineless Japan 14-Dec-98<	Number	Number	Number	Owner	Name	Date	Date	Title	
C STRETMALA AT&T Wireless European Patent Convention C2-Jun-97 10-504109 AT&T Wireless Japan 02-Jun-97 23-Feb-99 C1 990211 AT&T Wireless United States 02-Jun-97 23-Feb-99 C1 091/168919 AT&T Wireless United States 09-Oct-99 23-Feb-99 C1 091/168919 AT&T Wireless Brazil 24-Jun-97 10-Dec-02 C2 37832326.8 AT&T Wireless Canada 24-Jun-97 07-Jan-03 C2 10-504316 AT&T Wireless Convention 24-Jun-97 10-Dec-98 B6108823 94720 AT&T Wireless Talwan 24-Jun-97 18-Sep-98 C08672007 5845198 AT&T Wireless Talwan 24-Jun-97 18-Sep-98 C08672007 5845198 AT&T Wireless Canada 14-Dec-98 01-Dec-98 C08672007 2215819 AT&T Wireless Canada 14-Dec-98 01-Dec-98	262.CA	2259329	2259329	AT&T Wireless	Canada	02-Jun-97	01-Jun-04	TDMA Messaging Ser Microcell	vice
10-504109	62.EPC	97927794.4		AT&T Wireless	European Patent Convention	02-Jun-97		TDMA Messaging Ser	Alce Vice
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	5.CA	2215819	2215819	AT&T Wireless	Canada	19-Sep-97	01-Jan-02	Method and Apparatus	وَ

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Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Maille			Providing a Caller ID Alias
							Method and Apparatus for
		242046	AT&T Wireless	Mexico	06-Oct-97	13-Dec-02	Providing a Caller ID Alias
265.MX	977677	212040		o .	90 100	20- lan-02	Method and Apparatus for Providing a Caller ID Alias
265.US	2007953	6343120	AT&T Wireless	United States	00-001-00	70 100 07	Detection of Fraudulently
		37107	AT&T Wireless	Taiwan	19-Jan-98	31-Jan-00	Registered Mobile Phones
266.TW	87100664	016/01	2000			11 522 00	Detection of Fraudulently Desistered Mobile Phones
266.115	-65895	5953652	AT&T Wireless	United States	24~Jan-97	14-260-33	Method and System for
							Delivering a Voice Mail
							Notification to a Subscriber
					•		Using Celiular Prione
011000	08/838613	6006087	AT&T Wireless	United States	10-Apr-97	21-Dec-99	Network
203.02	00/00000						Delivering a Voice Mail
		-	٠				Notification to a Subscriber
	· 						Using Cellular Phone
			ATOT Wisologe	United States	29-Nov-99	09-Jul-02	Network
269.US.C1	09/448904	6418307	A10 WIEE55				Method and System for
			-		•	•	Delivering a Voice Mail
	.:						Notification to a Subscriber
							Using Cellular Phone
			ATRT Wireless	United States	15-May-02		Network
269.US.C2	10/147408		2000				Method and System for
				-			Delivering a Short-
,	200		AT&T Wireless	Canada	27-Oct-98		Message Homination
270.CA	2251589						Deliveded a Chort
				European Patent			Message Notification
270 EDC	98122142.7		AT&T Wireless	Convention	25-101-5		Method and System for
213.51							Delivering a Short
			A TO T Missinge	Mexico	30-Nov-98		Message Notification
270.MX	9810043		Alai Wifeless	20 VOIL		_	Method and System for
						07.001.03	Message Notification
0.00	470064	6630883	AT&T Wireless	United States	02-Dec-97	20.70	Personal Information
270.US	1,8621	200000					Manager for Updating a
	-				•		Telecommunication
				Drozii	19-Mav-97		Subscriber Profile
272.BR	384268		AT&I WITEIESS	Diazii			Personal Information
			•	-	10.Mov.97	12-Sep-00	Telecommunication
27.2 C.A	2228139	2228139	AT&T Wireless	Canada	19-May-91		

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Number	Number	Number				·	Subscriber Profile
				European Patent	10 May 07		Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.EPC	97925647.6		AT&T Wireless	Convention	19-IVIQY-31		Personal Information
			AT&T Wireless	Japan	04-Sep-02		Manager for Updating a Telecommunication Subscriber Profile
272.34.01	2002-238849				10.Mav-07	16-Nov-01	Personal Information Manager for Updating a Telecommunication Subscriber Profile
272.MX	980830	205256	AT&T Wireless	Mexico	io-land)		Personal Information
		·	AT&T Wireless	Noway	19-May-97	·	Manager for Updating a Telecommunication Subscriber Profile
272.NO	19980460			Patent Cooperation			Personal Information Manager for Updating a Telecommunication
272.PCT	PCT/US97/08510		AT&T Wireless	Treaty	19-May-97		Personal Information
				Taiwan	30-May-97	09-Jun-98	Manager for Updating a Telecommunication Subscriber Profile
272.TW	86107431	92856	A I & I WIREIESS	laiwaii			Personal Information
			AT&T Wireless	United States	04-Jun-96	11-May-99	Manager for Updating a Telecommunication Subscriber Profile
272.US	86777	5903845	200				Method for Providing Remote Emulation of the Functionality of a Private Exchange
281.BR	9803891-5		AT&T Wireless	Brazil	08-100-60		Method for Providing
· .						28 Mar 02	Remote Emulation of the Functionality of a Private Exchange
281.CA	2249895	2249895	AT&T Wireless	Canada	08-001-80		Method for Providing
·			AT&T Wireless	European Patent Convention	09-Oct-98		Remote Emulation of the Functionality of a Private Exchange
281.EPC	98308224.9		Algi Wildidaa				

Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Nallie			Method for Providing
	•					,	Remote Emulation of a Private
	•				98-1-00	22-Nov-02	Exchange
281 MX	988391	211550	AT&T Wireless	Mexico	20.00		Method for Providing
							Remote Emulation of the
				-			Fychange - Fychange
	2777007		AT&T Wireless	Norway	09-Oct-98		Method for Providing
281.NO	19984/42						Remote Emulation of the
		· ·					Functionality of a Private
			•		12-04-98	26-Feb-01	Exchange
281 TW	87116913	121508	AT&T Wireless	ı aiwan	15-001-30		Method for Providing
					٠		Remote Emulation of the
						O WOM O	Fxchange
	7070707	6229885	AT&T Wireless	United States	10-Oct-9/	10-Yelvidy-01	A Method for Allowing a
281.03	00/840487						Called Party to Allocate
							Call Payment
				. epened	29-Oct-98	23-Apr-02	Responsibility
282.CA	2252180	2252180	Alai Wireless	Control			A Method for Allowing a
							Called Party to Allocate
							Call rayment
		-	AT&T Wireless	United States	19-Nov-97	16-Apr-02	Kesponsionity
282.US	08/974394	637.3931	1000				System for Providing
				:			System
	7 000000	_	AT&T Wireless	Brazil	08-DCI-88		System for Providing
283.BR	9803890.7						Power to a Wireless
				-	08-Oct-98	01-Jan-02	System
283.CA	2249911	2249911	AT&T Wireless	Caliana			System for Providing
					80 1-00	15-Oct-02	System
283.MX	988387	210851	AT&T Wireless	Mexico	200		Method and System for
					10 000	03-111-01	Wireless System
283.US	08/948777	6256518	AT&T Wireless	United States	16-100-01		Method and System for
							Providing Power to a
			ATET Wireless	United States	10-Apr-01		Wireless System
283.US.CP1	09/828859		AIGIONAL PINA				Method and System for
	,.·			- -			Wireless System
283 HS D4	10/866994		AT&T Wireless	United States	15-Jun-04		

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				-	0.00	11.Mev.00	Secure Equipment Automation Using a Descaral Rase Station
284.TW	86114469	110656	A I & I WITCHESS	i alwaii	30 10 00	22 624 00	Secure Equipment Secure Equipment Automation Using a
284.US	2088306	5875395	A1&1 Wireless	Ornieu States	03-001-90	06-Mar-01	Service Transfer to a
285.CA	2202000	2202000	Ator Wireless	Tojuca	05-M21-07	25-May. 08	Service Transfer to a
285.1W	86103933	5845207	AT&T Wireless	United States	09-May-96	01-Dec-98	Service Transfer to a Wireless Telephone
286	4877348		AT&T Wireless	Brazil	17-Dec-97		System and Method for Retrieving Messages From a Voice Message System
70.000 V J 980	2221660	2221660	AT&T Wireless	Canada	20-Nov-97	13-Feb-01	System and Method for Retrieving Messages From a Voice Message System
286 FPC	97309357 8	000	AT&T Wireless	European Patent Convention	20-Nov-97		System and Method for Retrieving Messages from a Voice Message System
286.IP	9-339534		AT&T Wireless	Japan	10-Dec-97		System and Method for Retrieving Messages From a Voice Message System
286 MX	9710199		AT&T Wireless	·Mexico	16-Dec-97		System and Method for Retrieving Messages From a Voice Message System
CN 980	975816		AT&T Wireless	Norway	10-Dec-97		System and Method for Retrieving Messages From a Voice Message System
WT 986	86118705	114009	AT&T Wireless	Taiwan	11-Dec-97	11-Aug-00	System and Method for Retrieving Messages From a Voice Message System
286.US	08/766134	6405032	AT&T Wireless	United States	17-Dec-96	11-Jun-02	System and Method for Retrieving Messages From a Voice Message System
787 BB	0802303		AT&T Wireless	Brazil	26-Jun-98		Method and Apparatus for Providing Partitioned Telecommunication Services
287 CA	2239649		AT&T Wireless	Canada	04-Jun-98		Method and Apparatus for Providing Partitioned Telecommunication Services
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10-176895	24 EDC	98304671.5		AT&T Wireless	+	12-Jun-90		Method and Apparatus for
10-176895	213.70							Providing Partitioned Telecommunication
10-176995 AT&T Wireless Japan C-20-10-96 No.	• .	•				94- hrp.98		Services
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11653 AT&T Wireless	87.JF	200011-01		-				Providing Partitioned
985150								Telecommunication
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87108653 111653 AT&T Wireless Talwan C2-Jun-96 O7-Jun-00 S5	387.MX	985150						Providing Partitioned
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87108653 111653 AT&T Wireless 10.1164 States 26.Jun-97 17. Tr. Tr. Tr. Tr. Tr. Tr. Tr. Tr. Tr. Tr						02-Jun-98	02-Jun-00	Services
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975088 216890 AT&T Wireless Mexico 07-Jul-97 13-Oct-03	288.JP	1660421331						Automatic Registration Notification for Over-the-
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Docket	Application	Patent	Owner	Country	Application: Date	Grant Date	Title
Number	Number	Nulling					System and Method for Automatic Registration Notification for Over-the-Air
. ()	40072457		AT&T Wireless	Norway	08-Jul-97		Activation
ON.882	1010/661						System and Method for Automatic Registration
F oc	06400676		AT&T Wireless	Taiwan	09-Jul-97	11-Dec-98	Notification for Over-the-Air Activation
200.100	0.000100	20106					System and Method for
9			A T & T \Alicologo	Thited States	15-Jul-96	13-Feb-01	Notification for Over-the-Air Activation
288.US	08/6/3830	0188899	AIGI WIIGIGSS	Solution Orallo			System and Method for
							Automatic Registration Notification for Over-the-Air
288 US C1	09/702163	6282421	AT&T Wireless	United States	30-Oct-00	28-Aug-01	Activation
				·			System and Method for Automatic Registration
							Notification for Over-the-Air
288118 C1/11	09/896481	-	AT&T Wireless	United States	29-Jun-01		Activation
1110000000					i		System and Method for Automatic Registration
				Cotors Louisian	16 Mar 04		Notification for Over-the-Air
288.US.C1(2)	10/802492		AT&T Wireless	United States	IO-INIGII-O+		A Method and Apparatus
							for Over-the-Air
		•					Programming of
		-		Brozil	03-Oct-97		Services
289.BR	9706687		A I & I WILEIGES	17817			A Method and Apparatus
							for Over-the-Air Programming of
							Telecommunication
V 080	2245824	2215821	AT&T Wireless	Canada	19-Sep-97	03-Jul-01	Services
Z03.02	1700177	100					A Method and Apparatus for Over-the-Air
							Programming of
				European Patent	70 - 01	22. hin. 04	Telecommunication Services
289.EPC	97117320.8	836340	AT&T Wireless	Convention	01-00-21	20000	Method and Apparatus for
-							Updating Service
	0 0000	-	AT&T Wineless	Convention	16-Jan-98		Mobile Station
209.EP.C.D.I	3023012.0					:	

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Dockot	Application	Patent		Country	Application	Grant	Title
Nimber	Number	Number	Owner	Мате	Carc		Mobile Communication
				European Patent			System and Method 155 Receiving Intelligent Roaming Information
289 EPC.D2	3026871.8		AT&T Wireless	Convention	07-Oct-97		A Method and Apparatus
							Programming of Telecommunication
Q	275398/1997		AT&T Wireless	Japan	08-Oct-97		Services A Method and Apparatus
JC:887						;	for Over-the-Air Programming of Telecommunication
289 MX	977676	209518	AT&T Wireless	Mexico	06-Oct-97	07-Aug-02	A Method and Apparatus
		· ·				·	Programming of Telecommunication
CACCO	10074517		AT&T Wireless	Norway	30-Sep-97		Services A Method and Apparatus
ON:807					·		for Over-the-Air Programming of Telecommunication
WIT 08C	86114585	110299	AT&T Wireless	Taiwan	06-Oct-97	02-May-00	Services A Method and Apparatus
							Frogramming of Telecommunication
289.US	2001378	6122503	AT&T Wireless	United States	08-Oct-96	19-Sep-00	A Method and Apparatus
	·		<u>.</u>		44 Por 08	24-Sep-02	Programming of Telecommunication Services
289.US.C1	09/213416	6456843	AT&T Wireless	United States			A Method and Apparatus for Over-the-Air
· 				:	CC 511		Telecommunication Services
289.US.C1(1)	10/214315		AT&T Wireless	United States	To-Roy-on		Method and Apparatus for Testing Cellular Services in
				:	47.04.07		a First Location From a Second Location Remote From the First Location
296.BR	1410934		AT&T Wireless	Brazil			
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400				•				-
Docket	Application	Patent	Owner	Country	Application Date	Grant Date	Title	
1901							Method and Apparatus for	
							a First Location From a	
-							Second Location Remote	
208 C.A	2218657	2218667	AT&T Wireless	Canada	20-Oct-97	11-Sep-01	From the First Location	
	77,10001	77.10001	200				Method and Apparatus for	
							Testing Cellular Services in	
				-			a First Location From a	
				European Patent			Second Location Remote	_
296.EPC	97117941.1		AT&T Wireless	Convention	16-Oct-97		From the First Location	
							Method and Apparatus for	
							Testing Cellular Services in	
					-		a First Location From a	
							Second Location Remote	_
296.JP	9-286313		AT&T Wireless	Japan	20-Oct-97		From the First Location	_
					-		Method and Apparatus for	
				-			Testing Cellular Services in	
							a First Location From a	
							Second Location Remote	
XW 90C	978010	212232	AT&T Wireless	Mexico	17-Oct-97	18-Dec-02	From the First Location	
<	20016	7,77,7					Method and Apparatus for	
							Testing Cellular Services in	
							a First Location From a	
							Second Location Remote	
ON 90C	10074723		AT&T Wireless	Norway	13-Oct-97		From the First Location	_,
	13314120						Method and Apparatus for	
							Testing Cellular Services in	
					-		a First Location From a	_
							Second Location Remote	
AT 300	8E115442	103067	AT&T Wireless	Taiwan	15-Oct-97	10-Sep-99	From the First Location	-
	71101100						Method and Apparatus for	
	• .	<u>.</u>					Testing Cellular Services in	
		,		_			a First Location From a	
			-			. :	Second Location Relitions	_
296.US	08/734707	5875398	AT&T Wireless	United States	21-Oct-96	23-Feb-99	From the First Location	_
							Improved Generation of	
207 ID	417588/1008		AT&T Wireless	Japan	29-Sep-97		Encryption Key	т
	21130011330						Improved Generation of	-
297.TW	86114466	103186	AT&T Wireless	Taiwan	03-Oct-97	13-Sep-99	Encryption Key	_
				t Inited Chates	96-1-06	27. lul-99	Encryption Key	· .
297.US	08/731105	5930362	Ald Wireless	חווופה סיפופים	20.00	30	Parking National	Τ-
		700477	AT&T Wireless	Taiwan	03-0ct-97	- 23-Apr-02	MODIIG NEIWOIK	7

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		Datent		Country	Application	Grant	Title
Docket	Application	Nimber	Owner	Name	Date	Date	Geographic Address
Number	Number						Translation
							Mobile Network
						24 010.00	Geographic Address Translation
		CO.4004E	AT&T Wireless	United States	08-021-36	SO BOULD	Registration of Mobile
298.US	1801591	2940013					Packet Data Terminals
				Canada	06-May-97	23-Sep-03	After Disaster
V	2257423	2257423	AT&T Wireless	Callada			Registration of Mobile
VA:582						٠.	Packet Data Terminals After Disaster
			AT&T Wireless	Canada	06-May-97		Registration of Mobile
299.CA.D1	2404922			rnopon Datent			Packet Data Terminals
				Convention	06-May-97		After Disaster
299.EPC	97922676.8		AT&T Wireless	CONSTITUTION			Registration of would
		·.		•	20		After Disaster
<u>.</u>	501587/1998		AT&T Wireless	Japan	Ub-May-97		Registration of: Mobile
JC:867					•	06 May-07	Packet Data Terrinitais After Disaster
) 	0810332	204997	AT&T Wireless	Mexico	06-May-97	O Court	Registration of Mobile
Z99.MA	100000					00	Packet Data Terrings
			ATET Wireless	Talwan	14-May-97	16-Aug-99	Registration of Mobile
299.TW	86106439	102438	15				Packet Data Terminals
i				11sited States	10-Jun-96	05-Dec-00	After Disaster
299.US	1992978	6157633	AT&T Wireless	OHIGO CONTO			Registration of McDile Packet Data Terminals
					00. Anr. 99	03-Aug-04	After Disaster
	09/289362	6771634	AT&T Wireless	United States	22 14 15		Method and Apparatus for
733.03.0				<u>: ·</u>		· 	Protocols
			AT&T Wireless	Brazil	15-Jan-90	-	Method and Apparatus for
300.BR	9800328-3			·		:	Dynamic Negotiation of
		:	ATOT Wireless	Canada	15-Jan-98	19-Mar-02	Method and Apparatus for
300.CA	2227086	2227086	Algi Wildias				Dynamic Negotiation of
	·.			Moriton	19-Jan-98	23-Jul-04	Protocols
- XX	980550	221663	AT&T Wireless	Mexico			Method and Apparatus for
SUU:MY					3	12-Oct-01	Protocols
	07400702	NI-134707	AT&T Wireless	Taiwan	21-Jan-90		Dynamic Protocol
300.1W	01 1001 35			1 Inited States	21-Jan-97	26-Sep-00	Negottation System
300.US	-290885	6125122	AT&T Wireless	Olinea Comp			

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··· ··· ··· ·	Title	Method and Apparatus for Dynamic Negotiation of Protocols	Method and Apparatus for Dynamic Negotlation of Protocols	A Method and Apparatus for Message Transmission Verification	Method and Apparatus for Message Transmission Verification	Method for Categorization of Multiple Providers in a Wireless Communications Service Environment	Method for Calegorization of Multiple Providers in a Wireless Communications Controlled Control								
•	 -	Method and Apparatus Dynamic Negottation of Protocols	Method and Apparatus Dynamic Negotiation of Protocols	A Method ar for Message Verification	Method and Apparatus Message Transmission Verification	Method for Categoriz of Multiple Providers Wireless Communical Service Environment	Method for Categoriz of Multiple Providers Wireless Communications								
Grant	Date	03-Sep-02		·	06-Feb-01			08-Feb-02		09-Mar-00	17-Aug-99	17-Apr-01			25 Mar 03
Application	Date	08-Aug-00	18-Jul-02	24-Oct-97	14-Oct-97	24-Oct-97	23-Oct-97	20-Oct-97	15-Oct-97	20-Oct-97	25-Oct-96	18-Dec-98	24-Mar-00	24-Jun-97	77 pi
Country	Name	United States			e	in Patent ion			Norway		United States	United States	United States	l	
	Owner	AT&T Wireless			AT&T Wireless		AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless		
Patent	Number	6445716			2218211			206521		108524	5940740	6219542			
Application	Number	09/634573	-328443	1426882	2218211	97118527.7	9-290726	978066	19974771	86115452	08/740277	09/215557	09/535340	9710456-6	00000
Docket	Number		ε		301.CA	301.EPC	301.JP	301.MX	301.NO	301.TW	301.US	301.US.C1	301.US.C1(1)	302.BR	000

Grant Date Date No.						•		-
Number Number Owner Number Owner Number Owner Number Owner Number Owner Owner	ket	Application	Patent		Country	Application Date	Grant Date	Title
State Stat	her	Number	Number	Owner	Name	235		Method for Categorization
STATEM S	<u> </u>							of Multiple Providers in a
STATER S		· ·			European Patent	20 17 02		Wireless Communications Service Environment
Souz70/1998		97932289.8		AT&T Wireless	Convention	24-Jun-97		Method for Categorization
Souz70/1998 AT&T Wireless Japan 24-Jun-97 W M M M M M M M M M M M M M M M M M M						,		of Multiple Providers in a
S042701998	•							Service Environment
Se108622 ST36 AT&T Wireless Talwan 24-Jun-97 11-Mar-99 9 9 9 9 9 9 9 9 9		504270/1998		AT&T Wireless	Japan	24-Jun-97		Method for Categorization
990222 AT&T Wireless Mexico 24-Jun-97 11-Mar-99 Secio8622 97738 AT&T Wireless Taiwan 24-Jun-97 11-Mar-99 Secio8622 6195532 AT&T Wireless United States 14-Jun-99 23-Apr-02 AT&T Wireless United States 14-Jun-99 23-Apr-02 AT&T Wireless United States 14-Jun-99 23-Apr-02 AT&T Wireless Canada 12-Jun-98 30-Mar-04 AT&T Wireless Canada 12-Jun-98 30-Mar-04 AT&T Wireless Canada 12-Jun-98 30-Mar-04 AT&T Wireless Canada 12-Jun-98 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98 AT&T Wireless AT&T Wireless Mexico AT&T Wireless AT&T Wirele		2001						of Multiple Providers In a
990222 AT&T Wireless Taiwan Z4-Jun-97 11-Mar-99 V V V V V V V V V V V V V V V V V V					. Ojsev	24-Jun-97		Service Environment
S6108622 97738 AT&T Wireless Taiwan 24-Jun-97 11-Mar-99 V V V V V V V V V		990222		AT&T Wireless	MEXICO			Method for Categorization
B6108922 97736 AT&T Wireless Taiwan 24-Jun-97 11-Mar-99 S								Wireless Communications
1066386 6195532 AT&T Wireless United States 14-Jun-96 27-Feb-01 1066386 6377787 AT&T Wireless United States 14-Jun-99 23-Apr-02 10/099992 AT&T Wireless United States 19-Mar-02 10/099992 AT&T Wireless United States 12-Jun-98 30-Mar-04 AT&T Wireless Canada 12-Jun-98 30-Mar-04 AT&T Wireless Canada 12-Jun-98 30-Mar-04 AT&T Wireless Canada 12-Jun-98 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Convention 12-Jun-98 AT&T Wireless				ATOTIMisologe	Taiwan	24-Jun-97	11-Mar-99	Service Environment
C1 1066388 6195532 AT&T Wireless United States 14-Jun-96 27-Feb-01 C2 10/09992 6377787 AT&T Wireless United States 14-Jun-99 23-Apr-02 C3 mailed AT&T Wireless United States 19-Mar-02 23-Apr-02 C3 mailed AT&T Wireless United States 17-Sep-04 30-Mar-04 C3 2294432 AT&T Wireless Canada 12-Jun-98 30-Mar-04 C3 98929031.7 AT&T Wireless Convention 12-Jun-98 30-Mar-04 X 9911892 AT&T Wireless Mexico 12-Jun-98 AT&L Wireless		86108822	97738	Algi Wildios		ŀ	. •	Method for Categorization
C1 106638B 619553Z AT&T Wireless United States 18-Jun-96 27-Feb-01 ST-Feb-01 C2 10/09999Z 6377787 AT&T Wireless United States 19-Mar-02 23-Apr-02 C2 10/09999Z AT&T Wireless United States 19-Mar-02 23-Apr-02 C3 malled AT&T Wireless United States 27-Sep-04 30-Mar-04 L01 229432 AT&T Wireless Canada 12-Jun-98 30-Mar-04 L01 244185 AT&T Wireless Canada 12-Jun-98 30-Mar-04 L01 244185 AT&T Wireless Convention 12-Jun-98 30-Mar-04 L01 29929031.7 AT&T Wireless Convention 12-Jun-98 12-Jun-98								Wireless Communications
C1 1066388 6195532 AT&T Wireless United States 14-Jun-99 23-Apr-02					Linited Ctates	28.hm-96	27-Feb-01	Service Environment
C1 1066388 6377787 AT&T Wireless United States 19-Mar-02 23-Apr-02 3 malled AT&T Wireless United States 19-Mar-02 2294432 2294432 AT&T Wireless Canada 12-Jun-98 30-Mar-04 AT&T Wireless Canada 12-Jun-98 AT&T Wireless Convention 12-Jun-98 Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98	•	08/672908	6195532	AT&T Wireless	Office States			Method for Categorization
106638B 6377787 AT&T Wireless United States 14-Jun-99 23-Apr-02 10/099992 AT&T Wireless United States 19-Mar-02 23-Apr-02 1 malled AT&T Wireless United States 27-Sep-04 30-Mar-04 1 2294432 AT&T Wireless Canada 12-Jun-9B 30-Mar-04 1 244185 AT&T Wireless Canada 12-Jun-9B 12-Jun-9B 9911892 AT&T Wireless Mexico 12-Jun-9B 12-Jun-9B								of Multiple Providers in a
106638B 6377787 AT&T Wireless United States 14-Jun-99 23-hp-22 10/099992 AT&T Wireless United States 19-Mar-02 1 malled AT&T Wireless United States 27-Sep-04 2 229432 AT&T Wireless Canada 12-Jun-98 1 2444185 AT&T Wireless Canada 12-Jun-98 9991892 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98							22 Apr 02	Service Environment
10/099992 AT&T Wireless United States 19-Mar-02 10/099992 AT&T Wireless United States 27-Sep-04 2294432 2294432 AT&T Wireless Canada 12-Jun-98 1 2444185 AT&T Wireless Canada 12-Jun-98 9991892 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98	ξ	1066388	6377787	AT&T Wireless	United States	14-Jun-99	20-10A-02	Method for Categorization
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10/099992 AT&T Wireless United States 19-Mar-02 malled AT&T Wireless United States 27-Sep-04 2294432 AT&T Wireless Canada 12-Jun-98 244185 AT&T Wireless Canada 12-Jun-98 9991892 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98								Wireless Communications
nailed AT&T Wireless United States 27-Sep-04 2294432 2294432 AT&T Wireless Canada 12-Jun-98 30-Mar-04 2444185 AT&T Wireless Canada 12-Jun-98 AT&T Wireless Convention 12-Jun-98 9911892 AT&T Wireless Mexico 12-Jun-98 12-Jun-98					1 Laited Chatter	19-Mar-02		Service Environment
mailed AT&T Wireless United States 27-Sep-04 2294432 AT&T Wireless Canada 12-Jun-98 30-Mar-04 2444185 AT&T Wireless Canada 12-Jun-98 30-Mar-04 989259031.7 AT&T Wireless Convention 12-Jun-98 12-Jun-98 9911892 AT&T Wireless Mexico 12-Jun-98 12-Jun-98	2	10/099992		AT&T Wireless	Ollited States		-	Method for Categorization
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mailed AT&T Wireless United States 27-Sep-04 2294432 AT&T Wireless Canada 12-Jun-98 30-Mar-04 2444185 AT&T Wireless Canada 12-Jun-98 98929031.7 AT&T Wireless Convention 12-Jun-98 9911892 AT&T Wireless Mexico 12-Jun-98								Coorde Environment
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D1 2444185 AT&T Wireless Canada 12-Jun-98 30-Mar-04 D1 2444185 AT&T Wireless Canada 12-Jun-98 30-Mar-04 C 98929031.7 AT&T Wireless Convention 12-Jun-98 AT&T Wireless AT&T Wireless Mexico 12-Jun-98 AT&L Wireless Mexico 12-Jun-98	3	malieo					_	Roaming Using Network
D1 2444185 AT&T Wireless Canada 12-Jun-98 C 98929031.7 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98	٠					42, 1,10,08	30-Mar-04	Information
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21 2444185 AT&T Wireless Canada 12-Jun-98 98929031.7 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98								Roaming Using Network
21 244185 AI&I Wireless European Patent 12-Jun-98 9991892 AT&T Wireless Mexico 12-Jun-98				and a little and	Canada	12-Jun-98		Information
98929031.7 AT&T Wireless Convention 12-Jun-98 AT&T Wireless Mexico 12-Jun-98	4.D.	2444185		AIGI WIEESS	250100			Method of Intelligent
9911892 AT&T Wireless Convention (2-3011-35) AT&T Wireless Mexico (12-Jun-98)					European Patent			Roaming Using Network
9911892 AT&T Wireless Mexico 12-Jun-98		98929031.7		AT&T Wireless	Convention	20,110,21		Method of Intelligent
9911892 MEXICO						12.lun-98		Roaming Using Network Information
	·. ×	9911892		AT&T Wireless	Mexico	20,100,71		

Docket	Application	Patent		Country	Application	Grant	·	
Number	Number	Number	Owner	Name	Date	Date	Title	
					-		Method of Intelligent	ent
303.TW	87110178	110131	AT&T Wireless	Taiwan	24-Jun-98	26-Apr-00	Roaming Using Network Information	Verwork
							Method of Intelligent	tent
			-				Roaming Using Network	Vetwork
303.US	08/883111	6223042	AT&T Wireless	United States	26-Jun-97	24-Apr-01	Information	
							Method and Apparatus for	aratus for
306.BR	9800525-1		AT&T Wireless	Brazil	30- lan-08		Serving Cell Code	<u></u>
			2000		00-100-00		Method and Apparatus for	arative for
1							Serving Cell Code	eratus ioi
306.CA	2227138	2227138	AT&T Wireless	Canada	15-Jan-98	16-Sep-03	Assignment	
							Method and Apparatus for	aratus for
306.MX	980722		AT&T Wireless	Mexico	26-Jan-98		Serving Cell Code Assignment	o .
							Method and Apparatus for	aratus for
							Serving Cell Code	9
306.TW	87100967	111208	AT&T Wireless	Taiwan	23-Mar-98	29-May-00	Assignment	
	-		-				Method and Apparatus for	aratus for
						;	Serving Cell Gode	•
306.US	1472506	6144851	AT&T Wireless	United States	31-Jan-97	07-Nov-00	Assignment	
							Method of Mutual	
307 BR	1892355		AT&T Wireless	Brazil	18-Dec-97		Wireless Service Provision	Provision
	2007001						Method of Muhia	
							Authentication for Secure	Secure
307.CA	2221665	2221665	AT&T Wireless	Canada	20-Nov-97	07-Jan-03	Wireless Service Provision	Provision
							Method of Mutual	_
				,			Authentication for Secure	r Secure
307.MX	9710347	193809	AT&T Wireless	Mexico	18-Dec-97	22-Oct-99	Wireless Service Provision	Provision
							Method of Mutual	
100					20 000	04 142:: 00	Authentication for Secure	r Secure
307.1W	77561199	1102/2	AI&I WIREIESS	Laiwan	/6-Dec-3/	UI-May-00	Wireless Service Provision	FIOVISION
							Authentication for Secure	Secure
307.US	08/777341	5875394	AT&T Wireless	United States	27-Dec-96	23-Feb-99	Wireless Service Provision	Provision
							Method for Controlling	olling
308.BR	9706413-0		AT&T Wireless	Brazil	18-Dec-97		Channel Re-Selection	action
				,			Method for Controlling	olling
308.CA	2221820	2221820	AT&T Wireless	Canada	20-Nov-97	30-Jul-02	Channel Re-Selection	ction
308 MX	0710341	100015	AT&T Wireless	Mexico	18-Dec-97	30-Nov-00	Method for Controlling Channel Re-Selection	olling
Vallogo	1001	CIEEE	20000	CONCIN			Method for Controlling	office
308.TW	86119184	125235	AT&T Wireless	Taiwan	18-Dec-97	08-May-01	Channel Re-Selection	ction
							-	

					Application	Grant	
Docket	Application	Patent	2000	Name	Date	Date	Title
Number	Number	Number			90 000	30-Nov-09	Method for Controlling Channel Re-Selection
308.US	08/772829	5995834	AT&T Wireless	United States	26-26-27		Method for Controlling
308 US C1	09/306760	6501951	AT&T Wireless	United States	07-May-99	31-Dec-02	Channel Re-Selection Method for Controlling
200.000							Channel Re-Selection
				3			Channel to an Alternative
308.US.C1(1)	10/206963		AT&T Wireless	United States	30-101-05		Method for Controlling
308 LIS C1/2)	Delice Co.		AT&T Wireless	United States	20-Aug-04		Channel Re-Selection
300.00.00							Alerting a Station in One
		•					Network of a Requested
							Communication From a
1			AT&T Wireless	Brazil	18-Dec-97		Second Network
312.BK	1892840						Method and Apparatus for Alerting a Station in One
	-						Network of a Requested
							Communication From a
,		7 207000	AT&T Wireless	Canada	20-Nov-97	18-Nov-03	Second Network
312.CA	2221854	4C01777					Method and Apparatus for
	÷9			•			Alerting a Station in One Network of a Requested
		• •		Curanaan Datent			Communication From a
				Convention	20-Nov-97		Second Network
312.EPC	97309352.9		AIĞI WIRIESS				Method and Apparatus for
					· . ·		Alerting a Station in One Network of a Requested
	_						Communication From a
			AT&T Winoloce	Japan	19-Dec-97		Second Network
312.JP	9-350412		2000				Method and Apparatus for
							Network of a Requested
•							Communication From a
	•••	1	ATOT MINISTER	Mexico	18-Dec-97	07-Nov-03	Second Network
312.MX	9710338	217407	Ala Wireless	Sivola			Method and Apparatus for
		· · ·					Network of a Requested
							Communication From a
(40075036		AT&T Wireless	Norway	17-Dec-97		Second Network
312.NO	18873830						

Docket	Application	Patent		Country	Application	Grant		-
Number	Number	Number	Owner	Name	Date	Date	Title	
			•				Method and Apparatus for	s for
		2					Alerting a Station in One	<u> </u>
-			-				Network of a Kequested	
312.TW	86119517	104929	AT&T Wireless	Taiwan	22-Dec-97	.04-Dec-99	Second Network	
٠							Method and Apparatus for	3 for
							Alerting a Station in One	e e
		-			•		Network of a Requested	 pa
	. !				-		Communication From a	е
312.US	08/777336	6230009	AT&T Wireless	United States	27-Dec-96	08-May-01	Second Network	
		•					Method and Apparatus for	s for
				•			Alerting a Station in One	ne L
							Network of a Requested	pg gg
970							Communication From a	e
312.US.C1	09/740181	6459897	AT&T Wireless	United States	18-Dec-00	01-Oct-02	Second Network	
							Method and Apparatus for	s for
							Alerting a Station in One	ne e
							Network of a Requested	p _s
	-						Communication From a	е
312.US.C1(1)	10/241432		AT&T Wireless	United States	12-Sep-02		Second Network	
•								
				_			Method of Wireless	
313.BR	1893450		AT&T Wireless	Brazil	18-Dec-97		Retrieval of Information	c
							Method of Wireless	
313.CA	2221666		AT&T Wireless	Canada	20-Nov-97		Retrieval of Information	_
				European Patent			Method of Wireless	
313.EPC	97121958.9		AT&T Wireless	Convention	12-Dec-97		Retrieval of Information	
							Method of Wireless	
313.JP	9-351020		AT&T Wireless	Japan	19-Dec-97		Retrieval of Information	ے
313 MX	0710240		AT&T Wireless	Mexico	17-Dec-97		Method of Wireless Retrieval of Information	
	20112						Method of Wireless	T
313.NO	19975935		AT&T Wireless	Norway	17-Dec-97		Retrieval of Information	
313 TW	86110180	105640	AT&T Wireless	Taiwan	18-Dec-97	17-Dec-99	Method of Wireless Retrieval of Information	
	2016	20001	2000111				Method of Witeless	
313.US	08/777983	6493430	AT&T Wireless	United States	24-Dec-96	10-Dec-02	Retrieval of Information	_
34311C D4	40744000		ATOT Missions	I Inited States	00 1110 03		Method of Wireless Potrioval of Information	
13.03.KI	10/419090		AIGI WIEEESS	Office States	09-001		Mothod and Apparatus	1
240 00	4167600			= 100	03 Dec 97		Metrico and Apparatus for Data Network Call Properties	
Ag.ole	0067971		AI &I WITEIESS	Diazil	03-Dec-3/		LICESSIIG	7

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		Datont		Country	Application	Grant	Title	
Docket	Application	Nimber	Owner	Name	Date	280	Method and Apparatus for	
Number	Number	MUIDE	-				Data Network Call	
		-	AT&T Wireless	Canada	10-Nov-97	01-Jan-02	Processing Method and Apparatus for	
318.CA	2220707	2220707		Curopean Datent	<u> </u>		Data Network Gall	
		- سيت	AT&T Wireless	Convention	12-Nov-97		Processing Method and Apparatus for	
318.EPC	97309093.9						Data Network Call	
	2206754		AT&T Wireless	Japan	05-Dec-97		Method and Apparatus for	
318.3	220027			,	00 000	26-Sep-01	Data Network Call Processing	
318 MX	979392	204379	AT&T Wireless	Mexico	0z-Dec-91		Method and Apparatus for	
					04-Dec-97		Processing	
318.NO	19975612		AT&T Wireless	APMION			Method and Apparatus for Data Network Call	
			200	Taiwan	03-Dec-97	04-Mar-02	Processing Apparatus for	
318.TW	86118162	143991	AI&I WITEIESS				Data Network Call	
				Linited States	96-Dec-96	12-Sep-00	Processing	
318.US	08/762550	6118778	AT&I WIREIESS				Method and Apparatus for	
				1 Intend States	30-Nov-99	17-Aug-04	Processing	
318.US.C1	09/451401	6778527	AT&T Wireless	Ollica Otaloa			A Method for Time-	
		· 					Based on a Recipient	
			•	1	27-Mav-98		Location	
22 00	9801486-2	i	AT&T Wireless	Brazii		- -	A Method for Time-	
332.01							Stamping a Message Based on a Recipient	
				Canada	27-Apr-98		Location	_
332 CA	2235979		A1&1 Wireless				A Message Based on a	
		•		European Patent	22_Mav-98		Recipient Location	-
	08304082 5		AT&T Wireless	Convention		 	A Method for Time-	
332.EPC	302040696						Stamping a Message	
					8	·· .	Location	
33. 10	10-145288		AT&T Wireless	Japan	21-May-30		Method for Time-Stamping	·
10.200				Mexico	28-May-98	04-Mar-04	Reciplent Location	\neg
332.MX	984246	219273	AT&I Wireless	Mexico		· ·		

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Title	A Method for Time- Stamping a Message Based on a Recipient Location	Method for Time-Stamping a Message Based on a Recipient Location	Method for Time-Stamping a Message Based on a Recipient Location	Method for Time-Stamping a Message Based on a Recipient Location	Method and System for Providing Data Communication With a Mobile Station	Method and System for Providing Data Communication With a Mobile Station	Method and System for Providing Data Communication With a Mobile Station	Method and System for Providing Data Communication With a Mobile Station	Method and System for Providing Data Communication With a Mobile Station	Method and System for Providing Data Communication With a Mobile Station	Method and System for Providing Data Communication With a Mobile Station	Method and System for Providing Data Communication With a
Grant Date	19-Jul-04	13-Jui-00	29-May-01			30-Oct-01	13-Aug-03	13-Aug-03	13-Aug-03	13-Aug-03	13-Aug-03	
Application Date	26-May-98	28-May-98	03-Jun-97	05-Apr-01	28-May-98	30-Apr-98	22-May-98	22-May-98	22-May-98	22-May-98	22-May-98	03-Jun-98
Country Name	Norway	Taiwan	United States	United States	Brazil	Canada	Germany	European Patent Convention	Finland	France	Great Britain	Japan
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number	316993	111946	6239719			2236231	69817086.5	883313	883313	883313	883313	
Application Number	19982385	87108312	08/868401	09/825894	9806495-9	2236231	98304081.7	98304081.7	98304081.7	98304081.7	98304081.7	154083/1998
Docket Number	332.NO	332.TW	332.US	332.US.C1	333.BR	333.CA	333.DE	333.EPC	333.FI	333.FR	333.GB	333.JP

Application	Patent		Country	Application	Date	Title
Number	Number	Owner				Mobile Station
	•					Method and System for
						Providing Data
				01. lin-98	08-Jan-03	Mobile Station .
984353	212436	AT&T Wireless	Mexico	05-100-10		Method and System for
					•	Providing Data Communication With a
		AT&T Wireless	Norway	26-May-98		Mobile Station
19982304						Providing Data
				22.Mav.98	13-Aug-03	Mobile Station
98304081.7	883313	AT&T Wireless	Sweden	25-YBIN-22		Method and System for
						Providing Data Communication With a
•			Toinen	28-Mav-98	17-Apr-01	Mobile Station
87108311	123686	AT&T Wireless	laiwaii			Method and System for
						Providing Data Communication With a
		200101341	1 Inited States	03-Jun-97	21-May-02	Mobile Station
08/868350	6393014	AI &I WIEEESS	200000			Method and System for
					٠.	Providing Data Communication With a
			I Inited States	12-Apr-02		Mobile Station
10/120548		AT&T Wireless	Olliffe Oraces			Method and System for
						Providing Data Communication With a
			1 Inited States	10-Sep-04		Mobile Station
mailed		A I & I WITERESS	20000			System and Method for
1		AT&T Wireless	Brazil	31-Mar-98		Processing Dropped Calls
9801221-5		asolocity Tota	Canada	12-Mar-98	30-Oct-01	System and Method for Processing Dropped Calls
2231938	2231938	AIGH WHENCE	European Patent			System and Method for
0000044		AT&T Wireless	Convention	18-Mar-98		System and Method for
96302011.0			acac	09-Apr-98		Processing Dropped Calls
96520/1998		AT&I WIFEIESS	29791			System and Method for
		ATOT Mireless	Movico	02-Apr-98		Processing Dropped Calls

Docket	Application	Patent		Country	Application	Grant	· · · · · · · · · · · · · · · · · · ·
Number	Number	Number	Owner	маше	Date	Date	ב
							System and Method for
334.NO	19981596		AT&T Wireless	Norway	07-Apr-98		Processing Dropped Calls
						42 1	System and Method for
334.TW	87105092	111939	AT&T Wireless	Iawan	U3-Apr-98	าง-วันท-บับ	Processing Uropped Calls
							Apparatus for Providing
011000	22000000			I latter of Chapter	1.1.00	70	Enhanced Functionality to
336.05	08/902373	6314303	AT&T WIREIESS	United States	/A-Inc-87	10-NON-90	a Mobile Station
							Method for Designing
							Wireless Communications
0.00				11-11-11			Cell Sites Using Uplink
340.05	08/996764	6477376	AT&T Wireless	United States	23-Dec-97	05-Nov-02	Parameters
	٠		•	-			A Method and System for
							Optimizing Performance of
							a Mobile Communications
342.US	08/996486	6603966	AT&T Wireless	United States	23-Dec-97	05-Aug-03	System
						_	A Method and System for
		-					Optimizing Performance of
			:		;		a Mobile Communications
342.US.C1	10/307668		AT&T Wireless	United States	02-Dec-02		System
	•						Method and System for
				-			Delivering a Voice Mail
							Notification to a Private
							Base Station Using Cellular
346.US	08/838582	6014559	AT&T Wireless	United States	10-Apr-97	11-Jan-00	Phone Network
							Method and Apparatus for
				•			Voice Mail Sharing
							Between Wired and
347.US	68999		AT&T Wireless	United States	04-Dec-97		Wireless Telephones
26.20	0001756.0		AT PASSOCIATION	Drozel	02 11.00		Method for Locating a
204.01	0-02 11 000		AIGH WILCIESS		05-001-20		
352.CA	2235982	2235982	AT&T Wireless	Canada	27-Apr-98	29-Jun-04	Method for Locating a Mobile Station
							A Method for Locating a
352 MX	984355	207198	AT&T Wireless	Mexico	01-Jun-98	14-Mar-02	Mobile Station
	20000						A Method for Locating a
352.TW	87108313	116657	AT&T Wireless	Taiwan	28-May-98	24-Oct-00	Mobile Station
							Method for Locating a
352.US	08/868402	6167274	AT&T Wireless	United States	03-Jun-97	26-Dec-00	Mobile Station
						. (Customized On-Line User
353.CA	2275186	2275186	AT&T Wireless	Canada	14-Oct-98	16-Dec-03	Guide
(((((((((((((((((((European Patent	8101		Customized On-Line User
353.EPC	98953442.5		AI & I WIFEIESS	Convention	14-00-30		Coulde

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+		10000		Country	Application	Grant	Title	
Docket	Application	Number	Owner	Name	Date	280	Customized On-Line User	
Number			AT&T Wireless	Japan 1	14-Oct-98		Guide	
-	3220			·.	14-Oct-98		Customized On-Line User Guide	
	995662		AT&T Wireless	Mexico			The User	
		6400040	AT&T Wireless	United States	22-Oct-97	04-Jun-02	Guide Customized On-Line User	
,	10/108275	6795702	AT&T Wireless	United States	26-Mar-02	21-Sep-04	Guide A Method and Apparatus	
153.05.05	2272054	2272054	AT&T Wireless	Canada	20-Oct-98	23-Sep-03	a Dedicated Processor Apparatus for Filtering	
	08/956993	6092110	AT&T Wireless	United States	23-Oct-97	18-Jul-00	Processor Method and Apparatus for	
200.03	09/580204	6647418	AT&T Wireless	United States	26-May-00	11-Nov-03	Dedicated Processor Method and Apparatus for	
256.03.01 266.16 C4/4)	10/673439		AT&T Wireless	United States	30-Sep-03		Dedicated Processor User Assisted Wireless	
330.03.01(1)	9801993		AT&T Wireless	Brazil	10-Jun-98		User Assisted Wireless	
357 EPC	98304042.9		AT&T Wireless	Convention	21-May-98		User Assisted Wireless Fraud Detection	т
357.JP	10-158792		AT&T Wireless	Japan	86-Jul-80		User Assisted Wireless Frand Detection	
357.MX	984569		AT&T Wireless	Mexico	08-Jun-98		User Assisted Wireless Fraud Detection	T
357.NO	19982603		AT&T Wireless	Norway	06-1107-00	12-Mav-00	User Assisted Wireless Fraud Detection	
357.TW	87109176	110725	AT&T Wireless	Taiwan	31-Mar-98		System and Method for Processing Dropped Calls	$\neg \tau$
365.BR	9801220-7		AT&T Wireless	Drazie	12-Mar-98	06-Nov-01	System and Medico Calls Processing Dropped Calls	\neg
365.CA	2231932	2231932	AT&T Wireless AT&T Wireless	European Patent Convention			System and Method for Processing Dropped Calls	
365.EPC	98302012.4							•

Docket	Application	Patent Number	Owner	Country	Application Date	Grant Date	Title
365.IP	96519/1998		AT&T Wireless	Japan	09-Apr-98		System and Method for Processing Dropped Calls
385 MX	082570		AT&T Wireless	Mexico	02-Apr-98	,	System and Method for Processing Dropped Calls
365 NO	19981595		AT&T Wireless	Norway	07-Apr-98		System and Method for Processing Dropped Calls
365.SF	98302012 4		AT&T Wireless	Sweden	18-Mar-98		System and Method for Processing Dropped Calls
365.TW	87105091	108902	AT&T Wireless	Taiwan	03-Apr-98	27-Mar-00	System and Method for Processing Dropped Calls
365.US	08/838659	5995830	AT&T Wireless	United States	09-Apr-97	30-Nov-99	System and Method for Processing Dropped Calls
373.115	1710280	6201797	AT&T Wireless	United States	12-Dec-97	13-Mar-01	High Bandwidth Delivery and Internet Access for Airborne Passengers
373 1 IS B1	10/389010		AT&T Wireless	United States	13-Mar-03		High Bandwidth Delivery and Internet Access for Airborne Passengers
	1000		AT&T Wireless	United States	17-Aug-98		A Method and Apparatus for Determining Billing Rates for Communication Services
20.185	00000	6400007	AT&T Wireless	United States	17-Aug-98	13-Feb-01	Mobile Station Roaming in a Multiple Service Provider Area
302 LG C4	2132166	6470182	AT&T Wireless	United States	15-Sep-00	22-Oct-02	Mobile Station Roaming in a Multiple Service Provider Area
204.05	00,000	6704565	AT&T Wireless	United States	23-Dec-97	09-Mar-04	Method and Apparatus for Providing a Hold Termination Message Service in a Communications Network
402 CA	2254393	2254393	AT&T Wireless	Canada	24-Nov-98	26-Feb-02	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
402.DE	98123490.9	69800769	AT&T Wireless	Germany	14-Dec-98	09-May-01	Method and Apparatus for Providing Calling Number Identification Alias in a Communications System
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Docket Application Patient Owner Country Application Date Number Title Number Number Number Arist Wireless European Patent 14-Dec-98 09-May-01 Conference Called Number Called One 1 Hybrid Number Called Number Called Number Called Number Called One 1 Hybrid Numbers Called One 1 Hybrid Number Called Number Called Number Called Number Called Number Called Number Called One 1 Hybrid Number Called Number Ca							4 6 7	
ber Number Owner Name Number Owner Name 96123490.9 926910 AT&T Wireless European Patent 14-Dec-98 09-May-01 Convention 98123490.9 926910 AT&T Wireless France 14-Dec-98 09-May-01 Convention 61 10168521 208310 AT&T Wireless AT&T Wireless Canada 14-Dec-98 09-May-01 Op-Nay-01 C1 10168521 6662006 AT&T Wireless United States 02-Jul-02 09-Dec-03 DP-Nay-01 C2 9810232 6662006 AT&T Wireless Canada 10-Dec-98 31-Jul-02 DP-Nay-01 C3 10168521 6662006 AT&T Wireless Canada 10-Dec-98 DP-Nay-01 DP-Nay-01 C4 9810232 AT&T Wireless Convention 17-Dec-98 DP-Nay-01 DP-Nay-01 DP-Nay-02 DP-Nay-03 DP-Nay-03 DP-Nay-03 DP-Nay-03 DP-Nay-03 DP-Nay-03 DP-Nay-03 DP-Nay-03 DP-Nay-03 DP-Nay-03 <t< th=""><th>Docket</th><th>Application</th><th>Patent</th><th></th><th>Country</th><th>Application Date</th><th>Date</th><th>Title</th></t<>	Docket	Application	Patent		Country	Application Date	Date	Title
98123490.9 926910 AT&T Wireless France 14-Dec-98 09-May-01 100	Number	Number	Number	Owner	Name			Method and Apparatus for
Sel 123490.9 S26910 AT&T Wireless Convention 14-Dec-98 09-May-01 Conven					Datent			Providing Calling Name Identification Alias in a
14.0ec.98 99.0ec.90 99.0				and all all and a		14-Dec-98	09-May-01	Communications System
14.0ec.98 14.0ec.93 14.0	.02.EPC	98123490.9	926910	AIGI WIIGIGSS				Method and Apparatus for
98123490.9 926910 AT&TWIreless France 14.Dec.98 094May-01 COMPANS France 14.Dec.98 094May-01 COMPANS C	,							Hoofification Alias in a
98123490.9 926910 AT&T Wireless France 14-Dec-96 CO+May-01 No 1 10018321 208390 AT&T Wireless Great Britain 14-Dec-98 31-Jul-02 CO 1 100188521 6662006 AT&T Wireless United States 02-Jul-02 09-Dec-03 CO 2 2255475 AT&T Wireless Convention 17-Dec-98 N 8810839 AT&T Wireless Convention 17-Dec-98 N AT&T Wireless Convention 17-Dec-98 N AT&T Wireless Convention 16-Dec-98 N AT&T Wireless United States 19-Dec-97 N AT&T Wireless United States 14-Dec-98 AT&T Wireless AT&T Wireless Can						80 - 50	09-May-01	Communications System
Participation Participatio	. 01	08123490 9	926910	AT&T Wireless	France	14-Dec-30	2 (200	Method and Apparatus for
Sel 123490.9 926910 AT&T Wireless Great Britain 14 Dec.98 094May-01 Correct Britain 14 Dec.98 01-10-10-2 Correct Britain 14 Dec.98 Correct Britain 14 Dec.98 Correct Britain 15 Dec.99 Correct Britain 15 Dec.99 Correct Britain 15 Dec.99 Correct Britain	02.rh	20170						Providing Calling Number
Sel123490.9 926910 AT&T Wireless Great Britain 14-Dec-96 09-May-011 Control of the								Identification Alias in a
98123490.9 926910 AT&T Wireless Order Order 14-Dec-98 31-Jul-02 Color					Cictic Datain	14-Dec-98	09-May-01	Communications System
Particles Part	02 GB	98123490.9	926910	AT&T Wireless	Great Diffall			Method and Apparatus for
Selection Sele	25:30							Providing Calling Number
10/188521 209390 AT&T Wireless Mexico 14-Dec-98 31-Jul-02 Mexico 10/188521 6662006 AT&T Wireless United States 02-Jul-02 09-Dec-03 Convention 17-Dec-98 Mexico 16-Dec-98 Mexico 16-Dec-97 Mexico 16-De		٠.					3	Identification Aids in a
10.1188521 6662006 AT&T Wireless United States 02-Jul-02 09-Dec-03 United States 10-Dec-98 United States 19-Dec-98 United States 19-Dec-98 United States 19-Dec-97 Unite				AT&T Wireless	Mexicó	14-Dec-98	31-301-02	Mothod and Annaratus for
10/188521 6662006 AT&T Wireless United States 02-Jul-02 09-Dec-03 C	102.MX	9810631	208390					Providing Calling Number
10/188521 6662006 AT&T Wireless United States 02-Jul-02 09-Dec-03 Canada 10-Dec-98 National Patent 17-Dec-98 National Patent 17-Dec-98 National Patent 17-Dec-98 National Patent 17-Dec-98 National Patent National Patent 17-Dec-98 National Patent National Patent 17-Dec-98 National Patent N							· ·	Identification Alias in a
10/188521 6662006 AT&T Wireless United States 19-Dec-98 Maxico 16-Dec-98 Nov-03	•				Italiad Chatos	02-111-02	09-Dec-03	Communications System
2255475 AT&T Wireless Canada 10-Dec-96 N 98124229 AT&T Wireless Convention 17-Dec-98 N 9810839 AT&T Wireless Convention 17-Dec-98 N 10017042 AT&T Wireless United States 19-Dec-97 I 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 1 2272056 AT&T Wireless Canada 20-Oct-88 23-Sep-03	100116	10/188521	6662006	AT&T Wireless	United States	70.00		Methods and Systems for
2255475 AT&T Wireless Canada 10-Dec-98 No. 1	105:00:0					•		Managing the Routing of
Convention 10-Dec-98 No. Dec-98 No. Dec-99 No. Dec-		٠.						Packets Over a riyond
2255475			-	coolesias Fera	Canada	10-Dec-98		Network
European Patent 17-Dec-98	405.CA	2255475		Al&I Wireless	200100			Methods and Systems for
Sel 124229 AT&I Wireless Convention 17-Dec-98 No. 10.0017042 AT&I Wireless United States 14-Dec-01 18-Nov-03								Managing the Kouting of
C1 10/017042 AT&T Wireless Convention 17-Dec-98 No.017042 AT&T Wireless Nexico 16-Dec-98 No.017042 No.017042 No.017042 AT&T Wireless United States 19-Dec-97 No.017042			<u> </u>		Furnnean Patent			Packets Over a Hyono
98124229 AT&T Wireless OS/994831 AT&T Wireless Mexico 16-Dec-98 No. 16-Dec-98 No. 16-Dec-97 <					Convention	17-Dec-98		Network
9810839 AT&T Wireless Mexico 16-Dec-98 P 08/994831 AT&T Wireless United States 19-Dec-97 P C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless Canada 20-Oct-98 23-Sep-03	405 EPC	98124229		AT&I WIREIESS	COLLAGO			Methods and Systems for
9810839 AT&T Wireless Mexico 16-Dec-98 P 08/994831 AT&T Wireless United States 19-Dec-97 P C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03								Managing the Routing of
C1 10/017042 AT&T Wireless Mexico 16-Dec-98 R C2 1918499 6650897 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 C2 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03	-							Packets Over a ryono
9810839 AT&T Wireless United States 19-Dec-97 C1 10/017042 AT&T Wireless United States 14-Dec-01 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03				A TOT IAIlsofon	Mexico	16-Dec-98		Network
C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03	405 MX	9810839		Alai Widios				Methods and Systems is
C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03			·.		•			Managing uter Nouning of
C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03	•							Network
C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03				AT&T Wireless	United States	19-Dec-97		Methods and Systems for
C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03		┪						Managing the Routing of
C1 10/017042 AT&T Wireless United States 14-Dec-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03		<u> </u>		· .			٠.	Packets Over a Hybrid
C1 10/017042 AT&T Wireless United States 21-Nov-01 18-Nov-03 C1 1918499 6650897 AT&T Wireless United States 21-Nov-01 18-Nov-03 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03					Soft Chatter	14-Dec-01		Network
C1 1918499 6650897 AT&T Wireless United States 21-702-03 23-Sep-03 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03	405.US.C1	10/017042		AT&T Wireless	United States	21-Nov-01	18-Nov-03	Aircraft Cockpit Telephony
2272056 2272056 AT&T Wireless Canada 20-Oct-98 23-Sep-03	408.US.C1	1918499	6650897	AT&T Wireless	Onlied States			A Method and Apparatus
2272056 2272056 AIRL WILLIAM				ATPT Wireless	Canada	20-Oct-98	23-Sep-03	for Updating Address Lists
	411.CA	2272056	2272056	AIGI WIIGIGSS				

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant	<u>.</u>
							for a Packet Filter Processor
411.US	08/956990	6158008	AT&T Wireless	United States	23-Oct-97	05-Dec-00	Method and Apparatus for Updating Address Lists for a Packet Filter Processor
412.US	868062	6580914	AT&T Wireless	United States	17-Auc-98	17lim-03	Method and Apparatus for Automatically Providing Location-Based Information Content on a Wireless Device
414.US	09/207370	6427071	AT&T Wireless	United States	08-Dec-98	30-Jul-02	Apparatus and Method for Providing Transporting for a Control Stonal
416.US	772368	6256735	AT&T Wireless	United States	17-Aug-98	03-Jul-01	Method and Apparatus for Limiting Access to Network Elements
416.US.C1	09/839113	6334188	AT&T Wireless	United States	23-Apr-01	25-Dec-01	Method and Apparatus for Limiting Access to Network Elements
422.US	09/474138		AT&T Wireless	United States	29-Dec-99		System and Method for Integrating Call Delivery for Fixed-Site and Mobility Services
423.EPC	1973089.4		AT&T Wireless	European Patent Convention	18-Sep-01		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.JP	2002-527188	·	AT&T Wireless	Japan	18-Mar-03		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
. 423.PCT.CP1	PCT/US01/29029		AT&T Wireless	Patent Cooperation Treaty	18-Sep-01		Method and System for Remote Call Forwarding of Telephone Calls From an IP Connection
423.US	09/010616	6141545	AT&T Wireless	United States	22-Jan-98	31-Oct-00	Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone
423.US.C1	10/426046		AT&T Wireless	United States	29-Apr-03		Method and System for Remote Call Forwarding of Telephone Calls From Cellular Phone
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Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							System and Method for the Use of Digital Traffic Channels in 1\$-136 Networks for Transmission
437.US	09/479066		AT&T Wireless	United States	07-Jan-00		of R-Data Packets
439.US	09/489152	6675211	AT&T Wireless	United States	21-Jan-00	06-Jan-04	System and Method for Adjusting the Traffic Carried by a Network
439.US.C1	975473		AT&T Wireless	United States	03-Dec-03		System and Method for Adjusting the Traffic Carried by a Network
440.US	09/386762	6628194	AT&T Wireless	United States	31-Aug-99	30-Sep-03	Filtered In-Box for Voice Mail, E-Mail, Pages, Web- Based Information, and Faxes
440.US.C1	10/644641		AT&T Wireless	United States	19-Aug-03		Filtered In-Box for Voice Mail, E-Mail, Pages, Web- Based Information, and Faxes
442.US.D2	08/647299	5991410	AT&T Wireless	United States	09-May-96	23-Nov-99	Wireless Adaptor and Wireless Financial Transaction System
443.US	09/802872		AT&T Wireless	United States	12-Mar-01		Method and Apparatus for Providing Enhanced Services at a Mobile Communication Device
444.US	09/427417	6584321	AT&T Wireless	United States	27-Oct-99	24-Jun-03	Method and Apparatus for Wireless Data Services Over a Selected Bearer Service
444.US.C1	-454817		AT&T Wireless	United States	10-Jun-03		Method and Apparatus for Wireless Data Services Over a Selected Bearer Service
445.US	2026245		AT&T Wireless	United States	17-Jun-99		System and Method for Outbox-Capable Wireless Transmission
446.BR	147314		AT&T Wireless	Brazil	04-Jul-00		Method for Contacting a Subscriber to Multiple Wireless Bearer Services
446.CA	2313647		AT&T Wireless	Canada	00-Jul-00		Method for Contacting a Subscriber to Multiple Wireless Bearer Services

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Title	Number	Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number	Method for Automatically Programming a Wireless Telephone With a Voice Mail System Access Number	Aircraft Data Communications Services for Users	Aircraft Data Services	System and Method for Communication Between Airborne and Ground- Based Entitles	Aircraft Data Communications Services for Users	Aircraft Data Services	Method and Apparatus for Data Communication Utilizing the North American Terrestrial System	Method of Apparatus for Use in Forwarding Calls intended for Roaming Subscriber Units	Floating Intrusion Detection Platforms	Floating Intrusion Detection	E-Mail Usage Pattem Detection
Grant Date		12-Apr-02	24-Dec-02			06-Jut-04							14~Jan-03
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. Country Name		Taiwan	United States	Patent Cooperation Treaty	Patent Cooperation Treaty	United States	United States	United States	United States	United States	European Patent Convention	United States	United States
Owner		ATRT Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
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Application Number		0070	09/324486	PCT/US02/19336	PCT// IS02//40337	09/312011	09/884724	09/884730	7700707	19072484	1304403 8	09/580689	09/356974
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09/70/858 AT&T Wireless United States 01-Nov-00 European Patent AT&T Wireless Convention 03-May-02				AT&T Wireless	United States	07-NOV-00	+	A Method for Programming
09/703858 AT&T Wireless United States 01-Nov-00 European Patent AT&T Wireless Convention 03-May-02	503.US	09/0/6/1	-					a Mobile Station Using a
09/703858								Permanent Mobile Station
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European Patent 03-May-02 AT&T Wireless Convention 03-May-02	304.03							Providing Personal Audio
AT&T Wireless Convention Us-wiay-22					European Patent			Alerting Capable Terminals
	ָ	2734147 8		AT&T Wireless	Convention	US-Way-04		

Docket Application Patent Country Application Graft Title Number Number Number Owner Name Date Title Sign PCT Potential Provided Personal Audio Provided Personal Audio Provided Personal Audio Sign PCT PCTAJSIG2/13504 ATAT Wireless United States 10-14-01 Provided Personal Audio Sign LIS ST7924 ATAT Wireless United States 10-14-01 Provided Personal Audio Sign LIS ST7924 ATAT Wireless United States 10-14-01 Provided Personal Audio Sign LIS ST7924 ATAT Wireless Linied States 10-14-01 Provided Personal Audio Sign LIS ST7924 ATAT Wireless Linied States 11-14-01 Providen Invited States Sign LIS ST7924 ATAT Wireless Linied States 11-14-01 10-14-01 Providen Invited States Sign Linied States Linied States 11-14-01 10-14-01 10-14-01 10-14-01 Sign Linied States AT									
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PCT/US02/13904 AT&T Wireless Treaty Trea					Patent			Method and Apparatus for	
PCT/USD2/13904 AT&T Wireless Trealy 03-May-02			*-		Cooperation			Alert Messaging for Audio	
111280.2 AT&T Wireless United States 06-Jul-01	506.PCT	PCT/US02/13904		AT&T Wireless	Treaty	03-May-02		Alerting Capable Terminals	
111280.2 AT&T Wireless United States 05-Jul-01		•						Personal Audio Alert	
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111280.2 AT&T Wireless United States 31-Jui-01								Providing Interactive Text	
European Patent 16-May-01 2001-146263 AT&T Wireless Convention 16-May-01 372427 6603964 AT&T Wireless Japan 16-May-01 PCTAUS02/18611 AT&T Wireless Cooperation 12-Jun-02 O9/873351 AT&T Wireless United States 12-Jun-01 10105179 AT&T Wireless Argentina 05-Nov-01 PIO105120-2 AT&T Wireless Brazil 07-Nov-01	.US	-577934		AT&T Wireless	United States	31-Jul-01		Messages During a Voice	
1111280.2 AT&T Wireless								Method and Systems for	
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09/867989 AT&T Wireless United States 30-May-01 10105179 AT&T Wireless Argentina 05-Nov-01 PI0105120-2 AT&T Wireless Brazil 07-Nov-01								Providing Public Voicemail	
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Pi0105120-2 AT&T Wireless Brazil 07-Nov-01								for Over the Air Activation	
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Docket	Application	Patent		Country	Application Date	Grant Date	Title	
Number	Number	Number	Owner	Nallie			System and Method for	
							Using a Terriporary Electronic Serial Number	
							for Over-the-Air Activation	
				Canada	03-Oct-01		of a Mobile Device	_
520.CA	2358175		Al&I Wireless	California			System and Method for	
							Using a Temporary	
							for Over the Air Activation	
				European Patent	10. NOV. 01		of a Mobile Device	
מש עבש עבש	19941913		AT&T Wireless	Convention	0-404-70		System and Method for	
320.Er C					-		Using a Temporary	•
	·						Electronic Serial Number	
	•	•					for Over-the-Air Activation	· —
				-	07-Nov-01		of a Mobile Device	Т
520.IP	2002-558719		AT&T Wireless	Japan			System and Method for	
250.03							Using a Temporary	_
							Electronic Serial Number	
		. :					for Over-the-Air Activation	
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520 MX	PA/a/2001/011175		AT&T Wireless	MEXICO			System and Method for	
							Using a Temporary	
			•	Patent			Electronic Serial Number	
				Cooperation			of a Mohile Device	
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250.030							Using a Temporary	
							Electronic Serial Number	
		•					of a Mobile Device	
			AT&T Wireless	United States	08-Apr-03		System and Method for	
520.US.C1	10/409770						Using a Temporary	_
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520.VZ	2001-002318		AT&T Wireless	Datent			Using a Wireless Cookle to	
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			ATRT Wireless	Treaty	12-Jun-02		Location information	٦
525.PCT	PCT/US02/18612		AIGI MIGIGSS					

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Title	Using a Wireless Cookle to Deliver Mobile-Based Location Information	A Short Message Point-to- Point Protocol Gateway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	An SMPP Gateway Having a Standard Interface	Method of Delivering Short Messages Using an SMPP Gateway With a Standard Interface	Method of Binding to a SMPP Gateway	A System and Method for Performing Anti-Spam Control Using a SMPP Gateway	A System and Method for Performing Throttle Control in a SMPP Gateway	A System and Method of Performing Flow Control in a SMPP Gateway	Scrolling Display for Mobile Telephone Text Messaging	Scrolling Display for Mobile Telephone Text Messaging	Network Access Using Network Identification	Shared-Revenue Billing System for Transmission of
Grant Date												28-Sep-04		
Application Date	12-Jun-01	16-Nov-01	16-Nov-01	16-Nov-01	16-Nov-00	17-Nov-00	17-Nov-00	17-Nov-00	17-Nov-00	16-Nov-00	12-Apr-02	10-Apr-02	02-Oct-01	18-Oct-01
Country Name	United States	Canada	European Patent Convention	Patent Cooperation Treaty	United States	United States	United States	United States	United States	United States	Patent Cooperation Treaty	United States	United States	Argentina
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number												6799033		
Application Number	09/879349	2428440	1994087.3	PCT/US01/43671	09/714036	09/714035	09/714034	09/714033	09/714032	09/714031	PCT/US02/11450	10/120475	09/968528	10104906
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1987994.9 AT&T Wireless European Patent 19-Ma	-	Name	Date	Date	Title
1987894.9 AT&T Wireless Convention 1987894.9 Patent Cooperation 1987894.9 AT&T Wireless Treaty Treat					Wireless Data From a Vehicle
1987994.9 AT&T Wireless Convention 1987994.9 Patent Cooperation Treaty Cooperation Treaty T					Apparatus and Method for Monitoring a Wireless
1987994.9 AT&T Wireless Convention 11987994.9 Patent		European Patent			Device Associated With a
PCT/US01/50164 AT&T Wireless Treaty Cooperation 1		Convention	19-May-03		Venicle
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C1 10/862773 AT&T Wireless United States 1 C2 mailed AT&T Wireless United States C C2 mailed AT&T Wireless United States C CP1 10/885427 AT&T Wireless United States C CP2 TAXE Wireless United States C CP3 TAXE Wireless Venezuela COOpération COOpération Treaty		Treaty	19-Oct-01		Vehicle
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2205-2001 AT&T Wireless Venezuela Patent Cooperation T PCT/US02/21073 AT&T Wireless Treaty	AT&T Wireless	United States	06-Jul-04		Associated with a Vehicle
2205-2001 AT&T Wireless Venezuela Patent Cooperation T PCT/US02/21073 AT&T Wireless Treaty					Shared-Revenue Billing System for Transmission of
2205-2001 AT&T Wireless Venezuela Patent Cooperation T PCT/US02/21073 AT&T Wireless Treaty					Wireless Data From a
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Number	Number	Number	Owner	Name			Network .
		_					Inter-Carrier Sort Text
			20010011417074	Canada	22-Jan-03		Message Delivery
541.CA	2417028		Alai Wireless		47 125 03	<i>:</i>	Inter-Carrier Sort Lext Message Delivery
541.US	10/347504		AT&T Wireless	United States	17-3dirus		Ouick SMS Reply
S11 CP5	10/024833		AT&T Wireless	United States	18-Dec-01		Methods and Systems for
200							Providing Application Level
					20. Nov. 01		Presence Information in Wireless Communication
543.AR	10105421		AT&T Wireless	Argenina	20100		Methods and Systems for
							Providing Application Level Presence Information in
į			AT&T Wireless	Chile	20-Nov-01		Wireless Communication
543.CL	2820-2001			European Patent			Wireless Communication
(AT&T Wireless	Convention	20-Nov-01		Presence Information
543.EPC	1997932.7			Patent			Providing Application Level
•	-			Cooperation			Presence Information in
100	DCT// ICO1///3228		AT&T Wireless	Treaty	20-Nov-01		Methods and Systems for
243.PC	2750						Providing Application Level
			:	Claired Ctates	20-Nov-01		Wireless Communication
543.US	1596720		AT&T Wireless	Office States			Electronic Surveillance Via
			ATRT Wireless	United States	27-Feb-02		Correlation of Call Legs
548.US	10/086192						Correlation of Call Legs in
			AT&T Wireless	United States	27-Feb-02		a Hairpin Loop Scenario
549.US	10/085491		5				System and Method of
						3	Operation for Reducing
	2278535	2278535	AT&T Wireless	Canada	30-Jan-98	31-060-02	Wireless Communications
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<u> </u>				European Patent	30-Jan-98	04-Aug-04	Fraud
550.EPC	98904768.3	956733	AT&T WIREIESS				Wireless Communications
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550.JP	2515700		AT&T Wireless	Japan	30-Jan-98	-	Liano
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Docket	Application	Patent		Country	Application	Grant	
Number	Number	Number	Owner	Name	Date	Dale	MSISDNs
							Methods and Apparatus for Mobile Station Location
565.CA	2441764		AT&T Wireless	Canada	03-Apr-02		Methode and Apparatus for
			AT&T Wireless	China P.R.	03-Apr-02		Mobile Station Location Estimation
565.CN	2807/12.1		AIGI WIIGIGSS				Methods and Apparatus for
			AT&T Wireless	European Patent	03-Apr-02		Mobile Station Location Estimation
565.EPC	2/59/49.1		500				Methods and Apparatus for
. (ATRT Wireless	Japan	03-Apr-02	•	Estimation
565.JP	mailed						Methods and Apparatus for Mobile Station Location
() ()	2002 2042002		AT&T Wireless	South Korea	03-Apr-02		Estimation
363.KK	2003-1012902						Methods and Apparatus for
			and Ministra	Movico	03-Oct-03		Estimation
565.MX	PA/a/2003/009011		Algi wildiga	Patent		·.	Methods and Apparatus for
				Cooperation			Mobile Station Location
565.PCT	PCT/US02/10791		AT&T Wireless	reaty	03-Apr-02		Mahilo Accieted Network
				octol Charles	AG 76M 90		Location System (MNLS) Overview
565.US	10/473926		AT&T Wireless	United States	UO-INIGI -O-I		Methods and Apparatus for
							Anonymous User
							Identification and Content Personalization in Wireless
	. !		ATOT Mirologo	United States	05-Dec-01		Communication
566.US	1839637		Alan Wildings	Chica B B	17.001.03		Binding Information for IP Media Flows
568.CN	2808405.5		A1&1 WITBIESS	Furnnean Patent			Binding Information for IP
. 568.EPC	27.28813.3		AT&T Wireless	Convention	16-Apr-02		Media Flows Rinding Information for IP
di gas	policm		AT&T Wireless	Japan	17-Oct-03		Media Flows
2000				Patent			Display Information for IP
TO 093	DCT// 1902/12181		AT&T Wireless	Cooperation	16-Apr-02		Media Flows
2000			ATRT Mireless	United States	04-Mar-02		Media Flows
568.US	10/091047		A I G I WINGINGS	2000			

Title	Method and Systems for Searching and Managing Information on Wireless Data Devices	Method and Systems for Searching and Managing Information on Wireless Data Devices	Method and Systems for Searching and Managing Information on Wireless Data Devices	Recognition of an Automatic Connection Using Spoken Address Information Received in Voice Mails and Real Time Telephone Conversations	Recognition of an Automatic Connection Using Spoken Address Information Received in Voice Mails and Real Time
	Method and S Searching and Information or Data Devices	Method and S Searching and Information or Data Devices	Method and S Searching and Information or Data Devices	Recogni Automat Using Si Informat Voice M Telepho	Recogni Automal Using Si Informat Voice M Telepho
Grant Date				·	
Application Date	16-May-01	16-May-01	14-May-01	30-Apr-04	19-Sep-02
Country Name	atent		United States	European Patent	
Owner			AT&T Wireless		
Patent Number		A	4	•	
Application Number	1112704	2001-146264	456433	2773532 3	ACANGGOSTIN TO G
Docket	 		573.US	578 FPC	TOG 273

Docket	Application	Patent		Country	Application	Grant	Title
Number	Number	Number	Owner	Рате	Date		Wireless Adapter for Use
			:	Patent			With Proprietary Hands- Free Car Kits in Support of
			AT&T Wireless	Treaty	24-Jun-02		Multi-Model Mobile Phones
577.PCT2	PCT/US02/20165			Patent			Bluetooth External Module
			AT&T Wireless	Cooperation	24-Jun-02		for Car Radio
577.PCT3	PCT/US02/20121		2000				Method and Apparatus for Providing Power and
							Wireless Protocol
							Device, Such as a Wireless
577 1154	10/036188	6636749	AT&T Wireless	United States	31-Dec-01	21-Oct-03	Method and Apparatus for
190.70							Providing Power and
٠							Capability to a Wireless
	-			•			Device, Such as a Wireless
677 11C1 C1	10/630646		AT&T Wireless	United States	29-Jul-03		Wireless Adapter for Use
10.160.776	2000						With Proprietary Hands-
						_	Free Car Kits in Support of
	40/026464		AT&T Wireless	United States	31-Dec-01		Multi-Model Mobile Fibries
577.052	10/030131			I Inited Ctatos	31-0ec-01		for Car Radio
577.US3	10/036109		AT&T WIreless	חווופת סומופס			System and Method for
				·.			Providing an Automatic
							Response to a Telephone
585 115	2616507		AT&T Wireless	United States	06-May-02		Method and Apparatus for
			ATET Wireless	United States	12-May-95	30-Jul-96	Preventing Wireless Fraud
586.US.C1	08/440183	3241977			 		Secure Validation/Registration of
C 311 903	08/652214	5754952	AT&T Wireless	United States	23-May-96	19-May-98	Analog Cellular Phones A Cellular/PCS Handset
300.003.02	770000				•		NAM Download Capability
							Using a Wide-Area Paging
587 CN	94106449.2	94106449.2	AT&T Wireless	China P.R.	15-Jun-94	10-0ct-01	System A Cellular/PCS Handset
							NAM Download Capability
. !		944000	AT&T Wireless	Japan	16-Jun-94	18-Feb-00	Using a Wide-Area r aging System
587.JP	6-155408/1994	3032130	COLOUR IDIO				

	T Zy Bu	ing in		D.	Di Di	D.	Ę.	p	<u>S</u>	Ē.	SSS	SSE	SS.	SS	988
Title	A Cellular/PCS Handset NAM Download Capability Using a Wide-Area Paging System	Cellular/PCS Handset NAM Download Capability Using a Wide-Area Paging System	Traffic Information Estimation and Reporting System	Traffic Information Estimation and Reporting System	Pager-Controlled Wireless Radiotelephone	Pager-Controlled Wireless Radiotelephone	Pager-Controlled Wireless Radiotelephone	Pager-Controlled Wireless Radiotelephone	Pager-Controlled Wireless						
	A Cellula NAM Do Using a V System	Celtular/I NAM Do Using a System	Traffic In Estimatic System	Traffic In Estimatic System	Pager-Controlled Radiotelephone	Pager-Controlled Radiotelephone	Pager-Controller Radiotelephone	Pager-Controlled	Pager-C						
Grant Date	24-Aug-02	24-Feb-98	27-Jul-99	20-Dec-00	20-Dec-00	20-Dec-00	20-Dec-00		24-Oct-00	24-Mar-98	05-Oct-00				
Application Date	26-May-94	20-Aug-96	14-Aug-96	28-Aug-96	28-Aug-96	28-Aug-96	28-Aug-96	13-Sep-96	05-Sep-96	14-Sep-95	09-Jan-97	10-Dec-96	10-Jan-97	10-Jan-97	
Country Name	South Korea	, ,	Canada	Germany	Patent on		Great Britain	Japan	Mexico	United States	Australia	Canada	European Patent Convention	Japan	
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	
Patent Number	363502	5722084	2183284	DE69611274D	763807	763807	763807		199227	5732383	721050 .	÷	-		
Application Number	10-1994-0011468	08/700135	2183284	763807	96113768.4	96113768.4	96113768.4	242430/1996	963902	768685	10091/97	2192500	97100336.3	2480/1997	
Docket Number	587.KR	587.US.C2	588.CA	588.DE	588.EPC	588.FR	588.GB	588.JP	588.MX	588.US	589.AU	589.CA	589.EPC	589.JP	

+					Annitoniton	Grant	
	Application	Patent	Owner	Name	Date	Date	Title
+	Number		Section 1	Australia	09-lan-97	19-Oct-00	Automated Wireless-Call Completion Using a Paging Network
+	10092/97	609127	Alal Wieless			0000	Automated Wireless-Call Completion Using a Paging
\dashv	2192513	2192513	AT&T Wireless	Canada	10-Dec-30	2000	Automated Wireless-Call
	74,00007		AT&T Wireless	European Patent Convention	10-Jan-97		Completion Using a Paging Network
+	97 100557.1		AT&T Wireless	Japan	10-Jan-97		Automated Wireless-Call Completion Using a Paging Network
1	18818147	C C C C C C C C C C C C C C C C C C C	ATRI Mirolace	I Inited States	11-Jan-96	01-Sep-98	Automated Wireless-Call Completion Using a Paging Network
+	U8/38441b	0.447000	ATOT Wireless	United States	08-Sep-97	07-Sep-99	Method and Apparatus for Spatial Redundancy in Cellular Networks
	520/008	5950134	Section For A	Canada	08-Anr-98	09-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
	2234322	2234322	Alai Wieless	a crist	02-lin-98		Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
1	98109554.2	4 938	ATRI Mireless	Germany	07-Apr-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
1	96302713.2	4.0000000	ATET Windows	European Patent	07-Apr-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
T	98302715.2 98302715.2	983317	AT&T Wireless	France	07-Apr-98	31-Jul-02	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix
٠.	98302715.2	883317	AT&T Wireless	Great Britain	07-Apr-98	31-Jul-02	Transition: Selecting the Optimal Cellular Radio Mix
	10.152363		AT&T Wireless	Japan	02-Jun-98		Transition: Selecting the Optimal Cellular Radio Mix
.	08/868403	5960339	AT&T Wireless	United States	03-Jun-97	28-Sep-99	Analog-to-Digital Transition: Selecting the Optimal Cellular Radio Mix

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	- H
							Automatic Cellular Telephone Registration for
594.EPC	97103159.6	793375	AT&T Wireless	European Patent	26.Eab.07	So Nov.	Universal Telephone
					10-00-107	20-101-02	Automatic Cellular
			٠				Telephone Registration for
594.GB	97103159.6	97103159.6	AT&T Wireless	Great Britain	26-Feb-97	26-Nov-03	Universal Telephone Number Service
	-						Automatic Cellular
							Telephone Registration for
594.JP	45001/1997		AT&T Wireless	Japan	28-Feb-97		Universal releptione Number Service
							Automatic Cellular
							Telephone Registration for
594.KR	10-1997-0006587		AT&T Wireless	South Korea	28-Feb-97		Universal Telephone Number Service
							Automatic Cellular
							Telephone Registration for
594.US	08/608232	5960340	AT&T Wireless	United States	28-Feb-96	28-Sep-99	Universal Telephone Number Service
							Wireless Communications
				٠.			Cellular Architecture for
595.US	08/862095	6002935	AT&T Wireless	United States	22-May-97	14-Dec-99	Improving Communications Resource Allocation
							Wireless Communications
							Cellular Architecture for
595.US.C2	09/893869		AT&T Wireless	United States	20. hip.01	. •	Improving Communications
			AIGH WHENESS	Office States	10-Unr-67		Resource Allocation
							Method for Predicting the Location of a Mobile
							Station in a Mobile
296.US	08/941231	6052598	AT&T Wireless	United States	30-Sep-97	18-Apr-00	Communications Network
							Method for Self-Calibration
597.CA.CP1	2204815	2204815	AT&T Wireless	Canada	08-May-97	12-Aug-03	Communication System
							Method for Self-Calibration
20100					:		of a Wireless
10147.A7.	2350939		AT&T Wireless	Canada	08-May-97		Communication System
							Method for Self-Calibration
597.CA.CP1D2	2352594		AT&T Wireless	Canada	08-May-97		or a wireless Communication System
702 C02				European Patent			Wireless Communication System With Adaptive
331.57.001	1110390.7		Al&i Wireless	Convention	06-Jul-01		Channel Allocation

P Number 291857/1997 2001-206584 2001-206584 69/222894 69/222894 69/222894 69/2231928 2231928 2231928	Patent Number 6473623 6475549 6496699	AT&T Wireless AT&T Wireless AT&T Wireless AT&T Wireless	Name Japan Japan United States	Date 24-Oct-97	Date	Title Method for Self-Calibration of a Wireless Communication System
291857/1997 291857/1997 2001-206584 1C1 1133622 6 09/222894 2231928 2231928	Number 473623 3775549		d States	4-Oct-97		Method for Self-Calibration of a Wireless Communication System
291857/1997 2001-206584 1C1 1133622 6 09/222894 2231928 2231928	473623		d States	24-Oct-97		of a Wireless Communication System
291857/1997 2001-206584 1C1 1133622 6 09/222894 2231928 2231928	473623		d States	4-Oct-97		
11 291857/1997 12001-206584 P1 08/736871 6 P1 1133622 (6) D1 09/222894 (7) 2231928 2231928	473623		d States			
2001-206584 1 08/736871 6 1C1 1133622 (09/222894 2231928 2231928	473623		States	-		Method for Self-Calibration
P1 08/736871 6 P1 08/736871 6 P1C1 1133622 (D1 09/222894 22331928 2231928	473623		States	-		of a Wireless
P1 2001-206584 P1 08/736871 6 P1C1 1133622 (6 D1 09/222894 2231928 2231928 98109550.X	473623 7775549 3496699		States States	10-14-01		Communication System
P1 08/736871 6 29109550.X	473623 3775549 3496699	AT&T Wireless AT&T Wireless AT&T Wireless				Method for Self-Calibration
P1 08/736871 6 2P1C1 1133622 (01 09/222894 (2231928 28109550.X	473623 3775549 3496699	AT&T Wireless AT&T Wireless AT&T Wireless	1-1	90 10	29-Oct-02	Or a Wireless Communication System
2231928 2231928 98109550.X	3496699	AT&T Wireless AT&T Wireless		23-OCI-30		Method for Self-Calibration
71 1133622 691 01 09/222894 2231928 98109550.X	3775549 3496699	AT&T Wireless AT&T Wireless	\dagger	20,00	10-Aug-04	Communication System
2231928 2231928 98109550.X	3496699	AT&T Wireless		00-001-05		Method for Self-Calibration
2231928 2231928 98109550.X	3496699	AT&T Wireless		80 000	17-Dec-02	of a Wireless Communication System
2231928 98109550.X			United States	30-080-90		Method and System for
2231928 98109550.X						Telecommunications
2231928 98109550.X			2	12-Mar-98	18-Feb-03	Network
	2231928	AT&T Wireless	Canada			Method and System for
					·	Providing Access to a
				9		Network
		AT&T Wireless	China P.R.	05-Jun-90		Method and System for
						Providing Access to a
						Telecommunications
			Cormany	02-Mar-98	19-May-04	Network
598.DE 98301494.5	883315	Al&i Wireless				Method and System for
			-		<u>.</u>	Telecommunications
		•	European Patent	90 201	19-May-04	Network
08301494 5	883315	AT&T Wireless	Convention	05-Mai-30		Method and System for
					••	Providing Access to a
					10 1000	Network
	883315	AT&T Wireless	France	02-Mar-98	19-May-04	Method and System for
598.FR 98301434.5	21220		٠.		.,	Providing Access to a
	•					Telecommunications
	•		Crost Britain	02-Mar-98	19-May-04	Network
598.GB 98301494.5	883315	AIGI WITEIESS	500	*		Method and System for
						Telecommunications
			- I	01-Apr-98		Network

Docket Application Patent Country Application Date Title Number Number Number Owner Name 27.469-58 Date Title 599.JP 10-14287 ATST Windess Japon 27.469-58 Nebrook Nebrook 598.JK 596.JS ATST Windess Mexico 01-Jun-89 Nebrook 598.JK 596.JS ATST Windess Mexico 01-Jun-89 Nebrook 598.JK 596.JS ATST Windess Mexico 01-Jun-89 Nebrook 600.BR 0002715-0 ATST Windess Brazil 21-Jun-87 Nebrook 600.CA 2216086 ATST Windess Brazil 21-Jun-87 Nebrook 600.CA 2216086 ATST Windess Canada 17-Aug-00 Selvice of Permitting a Polychrone Highwork 600.CA 2216086 ATST Windess Canada 17-Aug-00 Selvice of Permitting a Polychrone Highwork 600.CA 2216086 ATST Windess Canada 17-Aug-00 Se									
10-145267 AT&T Wineless Japan 27-May-98 984354 AT&T Wineless Mexico 01-Jun-89 0003715-0 AT&T Wineless United States 03-Jun-87 2316088 AT&T Wineless Canada 17-Aug-00 2000-254616 AT&T Wineless Japan 25-Aug-00 2000-254616 AT&T Wineless Japan 25-Aug-00 27-May-98 23-Jun-97 AT&T Wineless Japan 25-Aug-00 22-Jun-04	Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title	
10-145267 AT&T Wireless Japon 27-Mey-86 1 984354 AT&T Wireless Mexico 01-Jun-89 1 00003715-0 AT&T Wireless Brazil 21-Aug-00 1 2216088 AT&T Wireless Canada 17-Aug-00 1 2216088 AT&T Wireless Convertion 16-Jun-90 22-Jun-04 1 10-145267 AT&T Wireless Japon 25-Aug-00 22-Jun-04 1 10-145267 AT&T Wireless Japon 25-Aug-00 22-Jun-04 1 10-145267 AT&T Wireless Japon 25-Aug-99 22-Jun-04								Method and Syster	in for
10-145267 AT&T Wireless Japan 27-May-88 984354 AT&T Wireless Mexico 01-Jun-96 0003715-0 AT&T Wireless Brazil 21-Aug-00 2316088 AT&T Wireless Canada 17-Aug-00 112746.3 AT&T Wireless Canada 17-Aug-00 2000-254818 AT&T Wireless Japan 25-Aug-09 22-Jun-04 107984451 6754460 AT&T Wireless United States 27-Aug-99 22-Jun-04 108794451 6754460 AT&T Wireless United States 27-Aug-99 22-Jun-04 10879451 6754460 AT&T Wireless United States 27-Aug-99 22-Jun-04 108798451 675460 AT&T Wireless United States 27-Aug-99 22-Jun-04 108798451 675460 AT&T Wireless United States 27-Aug-99 22-Jun-04 108798451 675460 AT&T Wireless United States 27-Aug-99 22-Jun-04								Providing Access	toa
984354 AT&T Wireless Mexico 01-Jun-98 08/858407 AT&T Wireless United States 03-Jun-97 23/16/088 AT&T Wireless Canada 17-Aug-00 112746.3 AT&T Wireless Convertion 16-Jun-00 2000-254618 AT&T Wireless Japan 25-Aug-00 2000-25418 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04	598.IP	10-145267		AT&T Wireless	Japan	27-Mav-98		Telecommunicatio Network	SUC
984354 AT&T Wireless Mexico 01-Jun-89 08/8/68407 AT&T Wireless United States 03-Jun-97 0003715-0 AT&T Wireless Brazil 21-Aug-00 2316089 AT&T Wireless Canada 17-Aug-00 112746.3 AT&T Wireless Convention 16-Jun-00 2000-254818 AT&T Wireless Japan 25-Aug-00 2000-254818 AT&T Wireless United States 27-Aug-99								Method and Syste	an for
984354 AT&T Wireless Mexico 01-Jun-88 06/868407 AT&T Wireless United States 03-Jun-97 2216088 AT&T Wireless Brazil 21-Aug-00 2316088 AT&T Wireless Canada 17-Aug-00 3216088 AT&T Wireless Canada 17-Aug-00 412746.3 AT&T Wireless Convention 16-Jun-00 2000-254818 AT&T Wireless Japan 25-Aug-00 2000-254818 AT&T Wireless United States 27-Aug-99 22-Jun-04								Providing Access	toa
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00/06/86407 AT&T Wireless United States 03-Jun-97 0003715-0 AT&T Wireless Brazil 21-Aug-00 2316/086 AT&T Wireless Canada 17-Aug-00 C 112746.3 AT&T Wireless Convention 16-Jun-00 2000-254816 AT&T Wireless Japan 25-Aug-00 2004-38451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04	Va.000	100100		Ala: Wildiass	MIGNICO	06-110-10		Method and Syste	an for
C 112746.3 AT&T Wireless United States 03-Jun-97 C 112746.3 AT&T Wireless Convention 16-Jun-00 C 112746.3 AT&T Wireless Convention 16-Jun-00 C 1000-254818 AT&T Wireless Japan 25-Aug-00 C 09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04						-		Providing Acress	to a
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C 112746.3 AT&T Wireless Brazil 21-Aug-00 AT&T Wireless Canada 17-Aug-00 European Patent 16-Jun-00 AT&T Wireless Convention 16-Jun-00 AT&T Wireless Japan 25-Aug-00 AT&T Wireless Japan 25-Aug-09 22-Jun-04	330.03	00/00040/		Alai Wireless	Olineo Oldres	10-20II-97		International Roam	coin
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2316086 AT&T Wireless Brazil 21-Aug-00								Telephone Instrum	nent to
2316088 AT&T Wireless Brazil 21-Aug-00 2316088 AT&T Wireless Canada 17-Aug-00 2300-254818 AT&T Wireless Convention 16-Jun-00 2000-254818 AT&T Wireless Japan 25-Aug-00 22-Jun-04								Access Different V	Wireless
0003715-0 AT&T Wireless Brazil 21-Aug-00				•				Telephone Networ	Ę
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2316088 AT&T Wireless Canada 17-Aug-00 112746.3 European Patent Convention 16-Jun-00 2000-254818 AT&T Wireless Japan 25-Aug-00 AT&T Wireless Japan 25-Aug-99 22-Jun-04								International Roar	ming
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2316086 AT&T Wireless Canada 17-Aug-00 112746.3 AT&T Wireless Convention 16-Jun-00 2000-254818 AT&T Wireless Japan 25-Aug-00 200384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04								Cellular/Wireless	
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Convention 16-Jun-00 2000-254818 AT&T Wireless Japan 25-Aug-00 201384451 675490 AT&T Wireless United States 27-Aug-89 22-Jun-04	ROO CA	2216099		ATET Wireless	Canada	17-410-00		Systems	<u> </u>
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2000-254818 AT&T Wireless Japan 25-Aug-00 09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04								International Roar	ming
2000-254818 AT&T Wireless Japan 25-Aug-00 09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04								Cellular Wireless	ting a
2000-254818 AT&T Wireless Japan 25-Aug-00 09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04								Telephone Instrum	ment to
2000-254818 AT&T Wireless Japan 25-Aug-00 09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04				-				Access Different V	Wireless
2000-254818 AT&T Wireless Japan 25-Aug-00 09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04								Telephone Netwo	, k
09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04	600.JP	2000-254818		AT&T Wireless	Japan	25-Aug-00		Systems	
09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04								International Roar Service for Permit	ming tting a
09/384451 6754490 AT&T Wireless United States 27-Aug-99 22-Jun-04		-						Cellular/Wireless	,
	600.US	09/384451	6754490	AT&T Wireless	United States	27-Aug-99	22-Jun-04	Telephone Instrur	ment to

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Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Malifo			Access Different Wireless
							Systems
							International Roaming Service for Permitting a
			•				CellularWireless
-							Telephone Instrument to
							Access Different Wireless
				-	•	*	Telephone Network
		-	. 000los841 F0F4	United States	17-Jun-04		Systems
600.US.C1	mailed		Al&I Wireless				Method and Apparatus for
							Navigation Using a Portable Communication
	•			Cototo Latin		13-Nov-01	Device
SI CUS	09/469266	6317684	AT&T Wireless	United States	25-262-27		Method and Apparatus for
002:00						• .	Enhanced 911 Location
					;	7,	Using Power Control III a
		0007070	AT&T Wireless	United States	21-Jan-00	70-unc-11	Method and Apparatus for
603.US	09/489477	6404388	2000				Fobanced 911 Location
	•						Using Power Control in a
					- CO-veW-VC	08-301-03	Wireless System
. 10 011 000	10/155380	6590533	AT&T Wireless	United States	24-141617-04		Method and Apparatus for
503.03.01	20000101						Enhanced 91,1 Location
		·					Using Power Control in a
•				Linited States	06-Jun-03		Wireless System
603 US.C1(1)	10/456052		AT&T Wireless	Oillied States			Intelligent Roadway
,			2010/19/19	1 Inited States	15-Nov-02	01-Jun-04	System
604.US.C1	10/295293	6744383	AIGI WIIGIGSS				Enhanced Communication
							Handling Communication
				Sofoto Poli-11	06- bit-01		Interruption
505 115	09/900773		AT&T Wireless	United States			-
			220/03/14/14/2014	European Patent	18-Feb-03	-	Secure Online Purchasing
606.EPC	3743137.6		Algi Wildiess	Patent			
				Cooperation			Secure Online Purchasing
F00 909	PCT//IS03/04650		AT&T Wireless	Treaty	18-Feb-03		Secure Online Purchasing
2000	200000101		AT&T Wireless	United States	22-Feb-02	\ \ +	
606.US	10/080988		2001-141-07-4	1 Inited States	30-May-02		Secure Online Purchasing
606.US.CP1	10/160656		A I & I WITELESS	2000			A Call Queue in a Wireless
607 115	10/017629		AT&T Wireless	United States	13-Dec-01		Device
20:00							

																		•	
Title	Efficient Synchronous and Asynchronous Database Replication	System and Method for Providing a Digital Rights Scheme for Browser Downloads	System and Method for Providing a Digital Rights Scheme for Browser Downloads	Virtual Subscriber Network		PIC Freeze	Biometric Authentication of a Wireless Device User	Multi-Standard Prepaid Communication Services	Multi-Standard Prepaid Communication Services	Prepaid	System	Prepaid Telecommunications System	System and Method for SMS Text Routing	Text Abbreviation Methods and Apparatus and Systems Using Same	Speech to Message Processing	Interrogate Response Communication (IRC)	Interactive Education Tool	Receiver Test System	Cell Planning Methods and Apparatus, and Networks
Grant Date																			
Application Date	31-Jul-02	23-May-03	30-May-02	25-Sep-02	28-May-04	20-Oct-03	24-May-02	09-Mar-04	18-Mar-03		12-Nov-03	14-Nov-02	07-May-04	28-Oct-02	28-Oct-02	19-Feb-03	23-Oct-02	04-Aug-03	23-Sep-02
Country Name	United States	Patent Cooperation Treaty	United States	United States	United States	United States	United States	Patent Cooperation Treaty	United States	Patent Cooperation	Treaty	United States	United States	United States	United States	United States	United States	United States	United States
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number																			
Application Number	10/209754	PCT/US03/16652	10/160695	10/259558	1387467	10/690468	10/155917	PCT/US04/07235	-445686		PCT/US03/36316	10/295233	10/840810	10/282742	10/282909	mailed	10/279170	10/634977	10/253403
Docket Number	608.US	609.PCT	809.US	614.US	618.US	619.US	621.US	622.PCT	622.US		625.PCT	625.US	628.US	630.US	632.US	633.US	634.US.CP1	635.US	636.US

						a discolar	Grant	
100324494 Number Owner	Docket	Application	Patent		Country	Application Date	Date	Title
216500	Number	Number	Number	OMUG				Configured Based on Same
10/324394 AT&T Wireless United States 19-Dec-02 Dec-03	-							Methods and Apparatus for
10/324394								Formatting Information for
10/32494 10/32494 AT&T Wireless United States 19-Dec-02 DB BB BB BB BB BB BB B				AT&T Wireless	United States	22-Jul-02		a Communication
10/324494 AT&T Wireless United States 19-Dec-02 Diagrams 10/324354 AT&T Wireless United States 19-Dec-02 C C C C C C C C C C C C C C C C C C	638.US	216500						Conditional Application
10/324494 AT&T Wireless United States 19-Dec-02 United States United States 19-Dec-02 United States Unit				•				Invocation in a wireless
10/324354 AT&T Wireless United States 19-Dec-02 C C C C C C C C C C C C C C C C C C C		,		ATRT Wireless	United States	19-Dec-02		Device
10.7224354 AT&T Wireless United States 19-Dec-02 C C C C C C C C C C C C C C C C C C C	639.US	10/324494		DIG.				Authomated Device
10/324354 AT&T Wireless United States 19-Dec-02 C C C C C C C C C C C C C C C C C C								Behavior Management
10/324354 AT&T Wireless United States 19-Dec-02 C								Based on Network
10/324354 AT&T Wireless United States 19-Dec-02 C								Charging and Kating
10/324354 AT&T Wireless United States 19-Dec-02 P P P P P P P P P P P P P P P P P P P				ATOTMInologe	United States	19-Dec-02		Conditions
10/324159 AT&T Wireless United States 19-Dec-02 P P P P P P P P P P P P P P P P P P P	640.US	10/324354		Aldı wireless	2000			Automated Device
10/324159 AT&T Wireless United States 19-Dec-02 P 10/324870 AT&T Wireless United States 19-Dec-02 C 10/325408 AT&T Wireless United States 20-Dec-02 C 10/700301 AT&T Wireless United States 31-Oct-03 C S 10/445173 AT&T Wireless United States 31-Dec-02 C S 10/3564421 AT&T Wireless United States 23-May-03 S 10/345497 AT&T Wireless United States 12-Feb-03 S 10/346497 AT&T Wireless United States 12-Feb-03								Behavior Management
10/324159 AT&T Wireless United States 19-Dec-02 P								Based on Preset
10/324870				ATRIMInaloce	United States	19-Dec-02		Preferences
10/324870. AT&T Wireless United States 19-Dec-02	641.US	10/324159		A I & I WII GIGSS				Control of Security of
10/324870 AT&T Wireless United States 19-Dec-02 Order		-	-				٠.	Ease-of-Use Sensitivity for
10/324870. AT&T Wireless United States 19-Dec-02 10/325408 AT&T Wireless United States 20-Dec-02 10 10/700301 AT&T Wireless United States 31-Oct-03 10 AT&T Wireless United States 01-Nov-02 1 AT&T Wireless United States 31-Dec-02 1 AT&T Wireless United States 23-May-03 S 10/345173 AT&T Wireless United States 12-Feb-03 S 10/34697 AT&T Wireless United States 12-Feb-03								a Wireless Communication
10/324670. AT&T Wireless United States 20-Dec-02 N 10/325408 AT&T Wireless United States 31-Oct-03 N 1S 60/423224 AT&T Wireless United States 01-Nov-02 1 1779371 AT&T Wireless United States 31-Dec-02 S 10/364421 AT&T Wireless United States 12-Feb-03 S 10/346497 AT&T Wireless United States 12-Feb-03				ATPT Mirelace	United States	19-Dec-02		Device
10/325408 AT&T Wireless United States 20-Dec-02 N 10/700301 AT&T Wireless United States 31-Oct-03 0 60/423224 AT&T Wireless United States 01-Nov-02 0 1779371 AT&T Wireless United States 23-May-03 10/345173 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 12-Feb-03	642.US	10/324870.		AIGH WIIGIGSS				Verification System for
10/325408 AT&T Wireless United States 20-Dec-02 N 10/700301 AT&T Wireless United States 31-Oct-03 60/423224 01-Nov-02 1779371 AT&T Wireless United States 31-Dec-02 60/42322 10/3642173 AT&T Wireless United States 23-May-03 10/346427 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03		ļ						Facilitating Transactions
10/325408 AT&T Wireless United States 20-Dec-02 N 10/700301 AT&T Wireless United States 31-Oct-03 P 1779371 AT&T Wireless United States 10-Nov-02 P 10/3644213 AT&T Wireless United States 23-May-03 10/346497 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03				_				via Comunication
10/325408 AT&T Wireless United States 20-Dec-02 No. 60/42324 AT&T Wireless United States 01-Nov-02 60/42324 1779371 AT&T Wireless United States 31-Dec-02 179371 AT&T Wireless United States 31-Dec-02 179374 AT&T Wireless United States 12-Feb-03 10/364421 AT&T Wireless United States 12-Feb-03 16-Jan-03 16-Jan-03					• • •			Networks and Associated
10/325408 AT&T Wireless United States 31-Oct-03 60/423224 AT&T Wireless United States 01-Nov-02 17/9371 AT&T Wireless United States 31-Dec-02 10/364421 AT&T Wireless United States 23-May-03 10/36497 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03				ATRT Wireless	United States	20-Dec-02		Method
10/700301 AT&T Wireless United States 31-Oct-03 60/423224 AT&T Wireless United States 01-Nov-02 10/445173 AT&T Wireless United States 31-Dec-02 10/36421 AT&T Wireless United States 23-May-03 10/346497 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03	644.US	10/325408		2000			• •	General Purpose
10/700301 AT&T Wireless United States 31-Oct-03 60/423224 AT&T Wireless United States 01-Nov-02 1779371 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/36497 AT&T Wireless United States 16-Jan-03								Provisioning Technologies
60/423224 AT&T Wireless United States 01-Nov-02 1779371 AT&T Wireless United States 31-Dec-02 10/445173 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03	011070	40/700301		AT&T Wireless	United States	31-Oct-03	-	Self-Activation via Wired
60/423224 AT&T Wireless United States 31-Dec-02 1779371 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/36497 AT&T Wireless United States 16-Jan-03	20.03				t Litted Ctates	01-Nnv-02		Web and Device
1779371 AT&T Wireless United States 31-Dec-02 10/445173 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03	645P.US	60/423224		AT&T Wireless	Omited States			System and Method for
1779371 AT&T Wireless United States 31-Dec-02 10/445173 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03			-					Network Data Quality
10/445173 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03		•			Linited States	31-Dec-02		Measurement
10/445173 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03	-646.US	1779371		AT&T Wireless	Olilleo Olares			Networks and Methods
10/445173 AT&T Wireless United States 23-May-03 10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03		╀						Integrating Digital Mobile
10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03	•			2001-101-0-0	1 Inited States	23-May-03		Standards
10/364421 AT&T Wireless United States 12-Feb-03 10/346497 AT&T Wireless United States 16-Jan-03	649.US	10/445173		Al&i Wireless	000000000000000000000000000000000000000			Interface for a Multi-
10/346421 AT&T Wireless United States 16-Jan-03				ATET Wireless	United States	12-Feb-03		Messaging System
10/346497 AT&T Wireless United States 16-Jan-03	652.US	10/364421		Aldi Viigina				Autopopulation of Address
10/34649/				AT&T Wireless	United States	16-Jan-03		Book Entries
	653.US	10/346497		2000				

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Title	Location Determining System for Wireless Network and Associated Method (Friend Finder)	System for Providing Location-Based Services in a Wireless Network, Such as Locating Individuals and Coordinating Meetings	System for Providing System for Providing Location-Based Services in a Wireless Network, Such as Modifying Locating Privileges Among Individuals and Managing lists of Individuals	Associated with Such Privileges	Apparatus and Systems for Providing Location-Based Services Within a Wireless Network	Data Structures and Methods for Location- Based Services Within a Wireless Network	Method for Providing Location-Based Services in a Wireless Network, Such as Varying Levels of Services	Profile Driven Response to Communication Events	Profile Driven Response to Communication Events Simplified Wireless Device Paidno	System and Method for Integrating Local-Area and Wide-Area Wireless Networks
	Location Determining System for Wireless Network and Associa Method (Friend Find	System for Location-B a Wireless as Location Coordinati	System for Providing Nacet System for Providing Location-Based See a Wireless Network as Modifying Locat Privileges Among Individuals and Marians of Individuals and Marians Systems (1) are of Individuals and Marians (1)	Associated Privileges	Apparatus Providing t Services W Network	Data Structures and Methods for Location Based Services With Wireless Network	Method for Location-B a Wireless as Varying Services	Profile Driv	Communic Simplified Pairing	System and Method Integrating Local-Arr Wide-Area Wireless Networks
Grant Date							·	·		
Application Date	10-Jun-03	20-Dec-02	70,000,00	20-Dec-02	20-Dec-02	20-Dec-02	20-Dec-02	24-Oct-03	28-Oct-02 11-Jul-03	23-Oct-03
Country	Patent Cooperation Treaty	United States		United States	United States	United States	United States	Patent Cooperation Treaty	United States United States	Patent Cooperation Treaty
Owner	AT&T Wireless	AT&T Wireless		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number										
Application Number	PCT/US03/18449	10/324984		10/325566	10/325270	10/325032	10/325322	PCT/US03/35439	10/281651	PCT/US03/33513
Docket Number	655.PCT	655.US		655.US1	655.US2	655.US3	655.US4	658.PCT	658.US 665.US	668.PCT

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		***************************************		Country	Application	Grant	
Docket	Application	Patent		Name	Date	Date	2011
Number	Nimber	Number	Owner	2			System and Method for
MUINDE							Integrating Local-Area and
							Wide-Area Wireless
			1	1 Inited States	20-Dec-02		Networks
	221138		AT&T Wireless	Office States			System and Method for
968.US	-36 136			Datent			Content Delivery Using
		-		Connection	•		Alternate Data Paths in a
•		•		Cooperation	23.Oct-03		Wireless Network
100	DCT//19493		AT&T Wireless	Ireary	20.000		System and Method for
569.PC1	2000000000						Content Delivery Using
							Alternate Data Paths In a
							Wireless Network
			AT&T Wireless	United States	70-0ac-07		System and Method for
669.US	10/324613						Delivered Data Services In
				Patent			Totografed Wireless
				Cooperation			Notherto
			ATAT Mireless	Treaty	23-Oct-03		Selwing Selving for
670.PCT	PCT/US03/33594		Atal Wildias			. ·	System and interior for
							Delivering Data Selvices III
							Integrated Wireless
•			-		20.Dec-02		Networks
31 023	10/324667		AT&T Wireless	United States	200000		Improved Delivery of
970.03				1 Inited Chates	02-Jan-03		Network Services
211028	2428042		AT&T Wireless	Ollifed States			Improved Delivery of
20.50					60 00		Network Services
	2130113		AT&T Wireless	United States	02-Jan-03		Improved Delivery of
680.US	7470113				70 20		Network Services
9	2570000		AT&T Wireless	United States	07-191-70		To view Delivery
681.US	0000 /07				;	<u></u>	Network Services
	2674420	·	AT&T Wireless	United States	02-Jan-03		
682.US	23/4138						Jo Manifold Position
							Network Services
,			AT&T Wireless	United States	07-Apr-03	-	Improved Delivery of
685.US	10/410562	- - -			07 Apr 03		Network Services
01.000	40/44/0663		AT&T Wireless	United States	50-1dW-10		of special control of
686.03	20001+101						One Button Access to
•							Complete Control Davids
			AT&T Wireless	United States	07-Jul-03		Verificial Control Programme
890.US	10/612970		1510			· 	Automatic Device
	· •					_	Configuration to Receive
			AT&T Wireless	United States	15-Sep-03		Hantification of SIM Based
691.US	2006188				70 000		Device
601 11S CP1	10/833412		AT&T Wireless	United States	71-Api-04		
10.00.160							

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Title	Distributed Profile Storage and Management in a Telecommunication Network	Application of Dynamic Profiles to the Allocation and Configuration of Network Resources	Device and Method for Improved Text Entry on an Alphanumeric Keypad	Highly Bandwidth-Efficient Communications	Highly Bandwidth-Efficient Communications	Highly Bandwidth-Efficient Communications	Highly Bandwidth-Efficient Communications	Highly Bandwidth-Efficient Communications	Priority Messaging Method for a Discrete Multitone Spread Spectrum Communications System	Method of Polling Second Stations for Functional Quality and Maintenance Data in Discrete Multitone Spread Spectrum Communications System	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System	Vertical Adaptive Antenna Array for a Discrete Multitone Spread Spectrum Communications System	Vertical Adaptive Antenna Array for a Clecrete Multitone Spread Spectrum
Grant Date							19-Mar-02		16-Sep-03	12-Nov-02	29-Jul-03	24-Jun-03	24-Aug-04
Application Date	16-Jun-03	16-Jun-03	27-Jun-03	24-Feb-98	24-Feb-98	24-Feb-98	18-Dec-97	03-Aug-01	28-Nov-00	28-Nov-00	05-Aug-98	10-Dec-01	08-May-03
Country Name	United States	United States	United States	Canada	European Patent Convention	Japan	United States	United States	United States	United States	United States	United States	United States
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number							6359923		6621851	6480522	92200	6584144	6782039
Application Number	1027337	838873	10/609043	2283859	98910043.3	10-536984			197842		09/128738	10/017903	10/435304
Docket Number	ļ		696.US	700.CA	700.EPC 8	700.JP	700.US.C1	700.US.C1D01	700.US.C1D15	700 US.C1D16	 	<u> </u>	

	Application	Patent	(Young	Date	Date	Title
Number	Number	Number	Owner	Name	255		Communications System
-							Vertical Adaptive Antenna
			٠				Array for a Discrete
							Mulitone Spiego Species
_			ATRT Wireless	United States	20-Jul-04		Communications system
701.US.C1(6)	mailed		Alai Wildigs				Method for Frequency
							Division Duplex
			A TO T Misologo	Canada	03-Feb-98	09-Apr-02	Communications
702.CA	2278852	2278852	Alai Wireless	200100			Method for Frequency
				Furnnean Patent			Division Duplex
			ATOT MISSION	Convention	03-Feb-98		Communications
702.EPC	98908475.1		AIGI WIIEIESS				Method for Frequency
							Division Duplex
			AT&T Wireless	Japan	03-Feb-98		Communications
702.JP	10-534899		2000			. •	Method for Frequency
					;	00	Commissions
		200442	AT&T Wireless	Mexico	03-Feb-98	UZ-AUG-UZ	CONTINUING STATES
702.MX	99/160	744607					Method 101 Fleddenicy
					1	00	Division Duplex
0.00	707706	5033421	AT&T Wireless	United States	06-Feb-97	03-Aug-99	Mothed for Frantians
702.03	00/190304	1					Division Duplex
						20 1701	Comminications
0	721700	A560209	AT&T Wireless	United States	19-Apr-99	00-May-00	Mothod for Freduency
702.US.C1	08/2841/4	000000					Memod tor rieducing
		<u>.</u>		•	,		Division Duplex
			AT&T Wireless	United States	07-Mar-03		Communications
702.US.C1(1)	10/383976		5				Kemote Wireless Unit
							Having Reduced Fores
		C005444	AT&T Wireless	United States	06-Feb-97	04-Jul-00	Operating Mode I Init
703.US	995961/80	2000					Hemore Wildias Office
		•					Counting Neutree 1 cm:
	•		AT&T Wireless	United States	30-Dec-98	04-Apr-00	Operating wode
703.US.D1	09/222895	6047200	Algi Wildias				Out of Channel Cyclic
							Redundancy Code Meurou
							for a Discrete Indiations
						-	Spread Spectrum
			ATOT Missiones	Canada	24-Feb-98	01-Apr-03	Communications system
704.CA	2281818	2281818	Algi wildigg				Out of Channel Cyclic
							for a Discrete Multitone
				1			Spread Spectrum
				European Paterin	24 50 408		Communications System
700	00011401 3		AT&T Wireless	Convention	74-180-30		

Application Patent Number C		J	Owner	Country	Application Date	Grant Date	Title
997730		ATRI	AT&T Mireless	Novice Control	90		Out of Channel Cyclic Redundancy Code Method for a Discrete Multitone Spread Spectrum
33 5896425		AT&T	AT&T Wireless	United States	24-Feb-97	20-Apr-99	Non-Uniformly Spaced Tones for Synchronization Waveform
08/806508 5864543 AT&T		AT&T	AT&T Wireless	United States	24-Feb-97	26-Jan-99	Transmit/Receive Compensation
09/095748 6175555 AT&T		AT&T	AT&T Wireless	United States	11-Jun-98	16-Jan-01	Transmit/Receive Compensation
							Method for Linearization of RF Transmission
							Electronics Using Baseband Pre-Distortion in T/R Compensation Pilot
08/804615 5872814 AT&T V		AT&T	AT&T Wireless	United States	24-Feb-97	16-Feb-99	Signals
	-						Method for Gaining Access to a Shared Medium Which
08/806507 6002664 AT&T		AT&T	AT&T Wireless	United States	24-Feb-97	14-Dec-99	Aloha Scheme
08/804614 5889814 AT&T v	·	AT&TV	AT&T Wireless	United States	24-Feb-97	30-Mar-99	Transmit/Receive Compensation for a Dual FDD/TDD Architecture
08/803832 5909641 AT&T \		AT&T	AT&T Wireless	United States	24-Feb-97	01-Jun-99	Transmit/Receive Switch
							Adaptive Weight Update Method and System for a Discrete Multitone Spread Spectrum Communications
08/804616 5923700 AT&T		AT&T	AT&T Wireless	United States	24-Feb-97	13-Jul-99	System
							Adaptive Welght Update Method and System for a Discrete Multitone Spread
09/999048 AT&T \ AT&T \	AT&T	AT&T	AT&T Wireless	United States	15-Nov-01		Spectrum Communications System
							Adaptive Weight Update Method for a Discrete
09/299079 6160839 AT&T		AT&T	AT&T Wireless	United States	26-Apr-99	12-Dec-00	Multitone Spread Spectrum Communications System

		40000		Country	Application	Grant		
Docket	Application	רמופווו	C	Name	Date	Date	11116	_
Number	Number	Number	Owie				Adaptive Weight Update	
							Method and System for a	
							Discrete Multitone Spread	
	•						Spectrum Communications	
				1 Inited Chatee	31-Oct-00	18-Jun-02	System	Т
713.US.C2C1	09/699361	6408016	AT&T Wireless	t			Inventory Pipeline	
				1 Inited Chates	01-Mav-97	16-Mar-99	Management System	╗
715.US	-646995	5884300	AT&T Wireless	Office States	2 6 10 10		FDD Forward Link	_
			ı				Beamforming Method for a	_
						•	FDD Communications	_
				Consider	23-Feb-99	31-Dec-02	System	7
717.CA	2262358	2262358	AT&T Wireless	Canada	20.00		FDD Forward Link	
							Beamforming Method for a	<u> </u>
	•	. •		Furnean Patent	•		FDD Communications	_
				Contontion	25-Feb-99	04-Aug-04	System	7
717.EPC	99301378.8	940934	AT&T Wireless	COIIVEINION	33 33 23		FDD Forward Link	
							Beamforming Method for a	m
							FDD Communications	
				United States	05-Mar-98	17-Oct-00	System	Т
717.US	09/035286	6134261	AT&I WIREIESS	חווונים סיפונים			Near-Optimal Low-	
							Complexity Decoding of	_
							Space-Time Codes for	_
							Fixed Wireless	_
				Chands	10-Dec-98	06-Aug-02	Applications	٦
720.CA	2255464	2255464	AT&I WIREIESS	Callada			Near-Optimal Low-	
							Complexity Decoding of	_
							Space-Time Codes for	
							Fixed Wireless	
		-		Comany	17-Dec-98		Applications	T
720 DE	69823326.3-08	98124231.6	Al&i Wireless	Common			Near-Optimal Low-	_
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				European Patent			Fixed Wireless	
				Convention	17-Dec-98	21-Apr-04	Applications	T
720 EPC	98124231.6	938194	AT& i Wireless	College			Near-Optimal Low-	
							Complexity Decoding of	
							Space-Time Codes for	
				European Patent		, ,	Fixed Wireless	
				Convention	17-Dec-98		Applications	Ţ
720.EPC.D1	4009318.9		Ala Wireless				Near-Optimal Low-	
							Complexity Decoding of	
							Space-Time Codes for	_
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	00424224 &		AT&T Wireless	France	17-Dec-98		Applications]
720.FK	90164531.0						•	
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29824763.1 AT&T Wireless
29824760.7 AT&T Wireless

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Application Patent	Patent			Country	Application	Date	Title
Number Number	Number	i	Owner	Name			System for Wireless
29824761.5	29824761.5	- 1	AT&T Wireless	Germany	31-Aug-98	13-Jun-02	Electronic Circuit for a
2000/165 B	20024765.8		AT&T Wireless	Germany	31-Aug-98	13-Jun-02	Receiver for Wireless Communications Flectronic Circuit for a
29824/65.8	0.00142062			Comany	31-Aug-98	13-Jun-02	Sender for Wireless Communications
29824762.3 29824762.3	29824762.3		Al&i Wireless			26 tin 03	Transmitter Diversity Technique for Wireless Comminications
69815869.5	1016228	_	AT&T Wireless	Germany	31-Aug-98	20-100-27	Transmitter Diversity
900	00000		AT&T Wireless	European Patent Convention	31-Aug-98	25-Jun-03	Technique for wireless Communications Transmitter Diversity
		}		European Patent	31-Aug-98		Technique for Wireless Communications
3010810.4		+	AI & I WITEIESS				Transmitter Diversity Technique for Wireless
98944605.9 1016228		-	AT&T Wireless	France	31-Aug-98	25-Jun-03	Transmitter Diversity
				Great Britain	31-Aug-98	25-Jun-03	Communications
98944605.9 1016228		+-	VI OI WIEGES			40.00	Transmitter Diversity Technique for Wireless Communications
880968 PI3127		+	AT&T Wireless	Georgia	10-201-03	200	Transmitter Diversity
		- :	ATRT Mireless	Hona Kona	24-Feb-04		Communications
4101312.5		+	N N N N N N N N N N N N N N N N N N N				Transmitter Diversity Technique for Wireless
2573		_	AT&T Wireless	Mexico	31-Aug-96		Transmitter Diversity
				1 Inited States	07-May-98	06-Feb-01	Communications
2479512 6185258	6185258	+	AT&I Wireless	Olifico Collico			Transmitter Diversity Technique for Wireless
		-	A TOT Mirologo	United States	05-Dec-00	10-Aug-04	Communications
2686604 6775329	6775329	1	Alai Wileiess				Transmitter Diversity Technique for Wireless
			AT&T Wireless	United States	22-Jun-04	_	Communications
		1		States Policy	02-Dec-98	22-Apr-03	Method and Apparatus for Remote Unit Passivation
2022958 6553237	6553237	1	AT&T Wireless	Olinea carre			
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Docket	Application	Patent		Country	Application	Grant	 i	
Number	Number	Number	Owner	Name	Date	Date	Title	\neg
							Method for Synchronous	
723.US	2023689		AT&T Wireless	United States	02-Dec-98		Communication Medium	
							Method for Estimating	
729.US	09/557672	·.	AT&T Wireless	United States	25. Apr.00		Changes in Product Life for	
			2000	Compo Orango	00-10-27		a Nedesigned Froduct	T.
						•	Low Complexity Maximum	
:							Likelihood Detection of	_
			-				Concatenated Space	
731.CA	2276207	2276207	AT&T Wireless	Canada	16-Oct-98	18-Feb-03	Applications	
·							Low Complexity Maximum	Ī.
							Likelihood Detection of	
							Concatenated Space	
731.CA.D1	2411286		AT&T Wireless	Canada	16.Oct.08		Codes for Wireless	
			2000	2000	00-100-01		Low Complete, Maximum	Τ,
							Likelihood Detection of	
							Concatenated Space	
				European Patent			Codes for Wireless	
731.EPC	98953654.5		AT&T Wireless	Convention	16-Oct-98		Applications	
		•					Low Complexity Maximum	_
						-	Likelihood Detection of	
				٠			Concatenated Space	
731.JP	45962		AT&T Wireless	Japan	16-Oct-98		Applications	
							Low Complexity Maximum	١,
							Likelihood Detection of	•
							Concatenated Space	
734 10 04	2002 200044		A TOT Minister		44 Aug 00	:	Codes for Wireless	
5. 5. 5.	*1002-C007		A I WILLIESS	Japan	CO-BDV-41		Applications	Τ,
							Low Complexity Maximum Likelihood Detection of	
						:	Concatenated Space	
		•					Codes for Wireless	
731.MX	996086	216468	AT&T Wireless	Mexico	16-Oct-98	19-Sep-03	Applications .	7
				,			Low Complexity Maximum	_
							Likelihood Detection of	
		÷			•	-	Concatenated Space	
731.MX.D1	PA/a/2003/003469		AT&T Wireless	Mexico	21-Apr-03		Applications	
							Low Complexity Maximum	L
731.US	09/167422	6501803	AT&T Wireless	United States	86-150-90	31-Dec-02	Likelihood Detection of	
		2001000	200	20000	23 23	2000	200	7
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Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	Naine			Codes for Wireless
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							t ikelihood Detection of
-							Concatenated Space
•							Codes for Wireless
			acclasive Fort	United States	03-Dec-01		Applications
731.US.D1	1167225	.	Alai Wileress	2000			Low Complexity Maximum
							Likelihood Detection of
							Concatenated Space
							Codes for Wireless
	10000		AT&T Wireless	United States	30-Dec-02		Applications
731.US.D1C1	1/38823						Method for Combining
							a Wireless Communication
				Linited States	30-Anr-99	23-Apr-02	System
732.US	09/303266	6377783	AT&T Wireless	United States	20.00		Method for Combining
							Communication Beams in
			-				a Wireless Communication
0	70,040,07		AT&T Wireless	United States	16-Jan-02		System
732.03.01	10/046243						Method for Location: Based Asset Management
733.US	-544696		AT&T Wireless	United States	04-Jun-89		Method for Location-
			A TO T Mississis	I Inited States	14-Sep-04		Based Asset Management
733.US.C1	malled		Algi Wildigs	2000			Method and Apparatus for
		.		Sofoto Policia	13.M2v.00	10-Dec-02	Vibration and Temperature Isolation
734.US	09/311820	6491528	AT&T Wireless	United States	10-Way-55		Maximum Ratio
		015000	ATRT Wireless	United States	17-Sep-98	01-Oct-02	Transmission
735.US	09/156066	0408740			00 !! 07		Maximum Ratio
735.US.C1	10/177461		AT&T Wireless	United States	13-Jun-02		Method for Error
		-					Compensation in an OFDM
	00/004467	6442222	AT&T Wireless	United States	27-May-99	27-Aug-02	System With Diversity
730.03	03/32/143/						Compensation in an OFDM
			ATRT Wireless	United States	24-Jun-02		System With Diversity
736.US.C1	10/176643		200014				Method for Error
	0		AT&T Wireless	United States	21-May-04		System With Diversity
(36.03.C1(1)	-047100		AT9T Mirelose	United States	24-Mar-00		
737.US	09/535365		AIGH WIEGESS				Method for Improving
738 AR	102506		AT&T Wireless	Argentina	23-May-00		Efficiency in a Time
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Title	. Sharing Network	Method for Improving Efficiency in a Time Sharing Network	Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers	Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers	Automatic Gain Control Methods and Apparatus Suitable for Use in OFDM Receivers	Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals	Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals	Methods and Apparatus for Use in Reducing Residual Phase Error in OFDM Communication Signals	Detection of Cross- Connection Between a				
Grant Date			09-Dec-03			·	26-Mar-02	03-Jun-03					·
Application Date		18-May-00	18-May-00	16-May-00	24-May-00	11-Apr-00	00-un(-60	17-Jan-02	14-Apr-03	25-Mar-03	24-Aug-01	25-Sep-00	05-Feb-01
Country Name		Brazil	Canada	European Patent Convention	Mexico	United States	United States	United States	United States	European Patent Convention	Patent Cooperation Treaty	United States	Argentina
Owner		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless					
Patent Number			2308963				6363127	6574292					
Application Number		75120	2308963	110197.1	5014	09/546794	-248485	10/051714	10/414576	1964443.4	PCT/US01/26621	09/670286	10100520
Docket Number		738.BR	738.CA	738.EPC	738.MX	738.US	744.US	744.US.C1	744.US.C1(1)	745.EPC	745.PCT	745.US	747.AR

Docket Application Patent Owner Country Application Title Number Number Owner Owner In Intel States Title States (Log Nework and Ander) Cop Nework and Ander) 1 a Subscribed Permisses of Detection of Cockers 41US 0.09502655 ATGT Wineless United States 11-Fab-00 Anderstand and Anders (Log Nework and Anders (Log Nework and Anders) Anderstand and Anders (Log Nework and Anders) 44AR1 103102 ATGT Wineless Angentina 21-Jun-00 Synchrotization in a a Subscribed Shemina 74BAR2 103106 ATGT Wineless Angentina 21-Jun-00 Synchrotization in a a Subscribed Shemina 74B.US 1 103106 ATGT Wineless Angentina 21-Jun-00 Synchrotization in a a Subscribed Shem by Communication System by Communicati								
Number Number Owner Name Owner Name Owner Name Owner	Docket	Application	Patent		Country	Application	Grant	Title
103105 AT&T Wireless United States 11-Feb-00 a11 103105 AT&T Wireless AT&T W	Number	Number	Number	Owner	Name	Date		Wireless Loop Network
103102 AT&T Wireless United States 11-Feb-00 AT&T Wireless AT&T Wi	100111011				,			and Another Loop Network
103102 11-Feb-00 11-Feb-								Detection of Cross-
103105 11-Feb-00 11-Feb-								Constitution Between a
103105 AT&T Wireless United States 11-Feb-00 AT&T Wireless 11-Feb-00 AT&T Wireless AT&T Wirele								Virginia 1 och Network
103102 AT&T Wineless United States 11-Feb-00 and the Angentina 21-Jun-00 O								Wireless Loop idelinois
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103102 AT&T Wireless United States 14-Jun-00					Solution Charles	41-Foh-00		at a Subscriber's Premises
1 103102 AT&T Wireless Argentina 21-Jun-00 Sylvania 21-Jun-00 Sylvania 21-Jun-00 Sylvania Syl	3116	00/502655		AT&T Wireless	United States	20.00		Apparatus and Method for
103102 AT&T Wireless Argentina 21-Jun-00 CO	47.03	03/20203						Synchronization in a
103102 AT&T Wireless Argentina 21-Jun-00 Sylvania Sylv			•					Mulliple-Carrier
103102 AT&T Wireless Argentina 21-Jun-00 OS OS OS OS OS OS OS								Communication System by
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103105 AT&T Wireless Argentina 21-Jun-00 G G G G G G G G G G G G G G G G G G				AT&T Wireless	Argentina	21-Jun-00		Apparatus and Method for
103106 AT&I Wireless Argentina 21-Jun-00 G G G G G G G G G	748.AR1	103102		500				Synchronization in a
103106 AT&T Wireless Argentina 21-Jun-00 G G S S G G G G G G G G G G G G G G G								Multiple-Carder
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103105 1				AT&T Wireless	Argentina	21-Jun-00		Apparatus and Method for
544822 AT&T Wireless United States 14-Jun-00 A 630289 6389087 AT&T Wireless United States 14-Jun-00 14-May-02 In the States In	748.AR3	103105						Conchronization in a
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630289 6389087 AT&T Wireless United States 14-Jun-00 14-May-02 8 AT&T Wireless United States 14-Jun-00 AT&T Wireless United States 14-Jun-00								Multiple-Carrier
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666082 AT&T Wireless United States 14-Jun-00	748.US2	630289	9393001					Synchronization in a
666082 AT&T Wireless United States 14-Jun-00							_	Multiple-Carrier
666082 AT&T Wireless United States		•		;	Coded C. L. St. 11	44. hm.00		Communication System
	740 1153	GREOR?		AT&T Wireless	United States	20-100-41		
	740.033	20000				4		

Docket Number	Application Number	Patent Number	Owner	Country	Application Date	Grant Date	Title
							Observing a Phase- Frequency Relationship of a Plurality of Pilot Signals
749.AR	103104		AT&T Wireless	Argentina	21-Jun-00	·	Methods and Apparatus for Use in Obtaining Frequency Synchronization in an OFDM Communication System
749.PCT	PCT/US00/40232		AT&T Wireless	Patent Cooperation Treaty	15-Jun-00		Methods and Apparatus for Use in Obtaining Frequency Synchronization in an OFDM Communication System
749.US	1155142	6768714	AT&T Wireless	United States	14-Jun-00	27-Jul-04	Methods and Apparatus for Use in Obtaining Frequency Synchronization in an OFDM Communication System
750.US	1156603	6700866	AT&T Wireless	United States	14-Jun-00	02-Mar-04	Methods and Apparatus for Use in Obtaining Frequency Synchronization in an OFDM Communication System
751.PCT	PCT/US01/15891		AT&T Wireless	Patent Cooperation Treaty	16-May-01		Methods and Apparatus for Use in Obtaining Frame Synchronization in an OFDM Communication System
751.US	452050		AT&T Wireless	United States	13-Jun-00		Methods and Apparatus for Use in Obtaining Frame Synchronization in an OFDM Communication System
752.AR1	103100		AT&T Wireless	Argentina	21-Jun-00		Method and Apparatus for Use in Reducing Traffic Over a Communication Link Used by a Computer Network
752.PCT2	PCT/US00/16432		AT&T Wireless	Patent Cooperation Treaty	14-Jun-00		Reverse Turineling Methods and Apparatus for Use With Private Computer Networks
752.US1.D1	10/120710		AT&T Wireless	United States	11-Apr-02		Methods and Apparatus for Use in Reducing Traffic

Docket	Application	Patent		Country	Application	Grant	Title	
COCAGE.	Nicota Par	Nimber	Owner	Name	Date	Date	Over a Communication	
Number	Number	DOMESTIC					ink leed by a Computer	
							Network	
							Methods and Apparatus for	ō
					;	•	Use In Communicating	
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				Accortion	21. hm-00		Communication System	
754 AP	103103		AT&T Wireless	Argenuna	20 100 17		Method and Apparatus for	ğ
6							Use in Communicating	
				Patent			Voice and High Speed	
				Cooperation			Data in a Wireless	
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754.PCT	PCT/US00/16700		AT&T Wireless	Heary			Methods and Apparatus for	s tor
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764 110	1002105		AT&T Wireless	United States	14-3011-00		System and Method for	_
20.50							Data Scrambling to	
							Reduce the Crest Factor in	디
	٠			Argontino	20-lun-00		an OFDM Waveform	
755.AR	103064		AT&T Wireless	Algalilla			System and Method for	
							Data Scrambling to	
				European Patent			Reduce the Crest Factor III	—- E B
		•	ATET Wireless	Convention	00-Jun-60		an OrDivi Waveloum	T,
755.EPC	938236.7		Aldi Wilciess			 ;	System and inetition to	
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		·.		Cooperation	,		an OFDM Waveform	
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							Reduce the Crest Factor in	اور تا
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							Data Scrambling to	
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			AT&T Wireless	United States	30-Aug-04		an OFUM Waverolin	
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769 AD	102967	· 	AT&T Wireless	Argentina	No-line-CL		System and Method for	ō
130.00 J			:				Checking Service	
VCT 032	89112312	163403	AT&T Wireless	Taiwan	22-Jun-00	06-Feb-03	Availability	
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	Method for ervice	resentation nagement	Session Subscription System and Method for Same	Subscription-Based Billing Methods and Systems for Shared Network Modem Pools	Subscription-Based Billing Methods and Systems for Shared Network Modern Pools	Subscription:Based Billing Methods and Systems for Shared Network Modem Pools	Subscription-Based Billing Methods and Systems for Shared Network Modem Pools	Subscription Based Billing Methods and Systems for Shared Network Modem Pools	Synchronization of Encryption in a Wireless Communication System				
, ,	System and Method for Checking Service	Intelligent Presentation Network Management Systems	Session Subscription System and Method f Same	Session Subscription System and Method f	Session Subscription System and Method f Same	Session Subscription System and Method I	Session Subscription System and Method f	Subscription Methods an Shared Neth Pools	Subscription Methods an Shared Neh Pools	Subscription Methods an Shared Neth Pools	Subscription Methods an Shared Net	Subscription Methods an Shared Neth Pools	Synchronization of Encryption in a Wir Communication Sy
Grant	03-8-02					-							
Application Date	12-Mav-00	24-Feb-00	20-Dec-00	16-Nov-00	20-Dec-00	20-Dec-00	30-Dec-99	22-Dec-00	21-Dec-00	27-Oct-00	20-Dec-00	20-Sep-00	19-Dec-01
Country				Canada	European Patent Convention	Mexico	United States	Argentina		ean Patent		States	United States
Owner				AT&T Wireless	•		AT&T Wireless	AT&T Wireless	AT&T Wireless				
Patent	6445012					• .							
Application	09/572144	09/511168	0005942-0	2326572	311492.3	12896	09/474839	106901	0.006220-0	309465.3	12898	09/665780	10/028573
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Docket	Application	Patent		Country	Application Date	Grant Date	Title
Number	Number	Number	Owner	20110			Data Link Layer Tunneling
		,		·			Technique for High Speed
							Data in a Noisy Wireless
	270700700	6607083	AT&T Wireless	United States	24-Oct-00	24-rep-04	Data Lisk Layer Tunneling
770.US	246460160	200 1000			_		Technique for High Speed
	•						Data in a Noisy Wireless
				0.000	An act ac		Environment
770 US.C1	10/767246		AT&T Wireless	United States	10-02		Medium Access Dynamic
							Congestion Control
							Mechanism for Wireless
				1 Inited States	21-Dec-00	20-Jul-04	Data
772.US1	09/745216	6765869	AT&T Wireless	חווופח סומופס			Medium Access Dynamic
							Congestion Control
		•		• •			Mechanism for Wireless
			ATPT Mirelace	United States	21-Dec-00	20-Jul-04	Data
772.US2	09/745219	6765870	Alai Wileiess				Collision-Free Multiple
							Access Reservation
				European Patent			Scheme for Multi-1 one
			ATST Mireless	Convention	11-Dec-00		Modulation Links
775.EPC	311028.5		A I & I WIEIESS				Collision-Free Multiple
							Access Reservation
		-			-		Scheme for Multi-1 one
			ATRIMITABLE	United States	18-Jul-00		Modulation Links
775.US	09/618653		Alai Viididaa				Method and Apparatus for
				-			Efficient Sharing of
							Communication System
			ATET Wirelass	United States	28-Nov-00	-	Resources
778.US	228522		AIGI WIIGIGS				Method and Apparatus for
		,		-			Chicam Shaing System
		-				· ·	Document of start
9	7 (10)		AT&T Wireless	United States	19-Aug-04	1	A Dool Time System for
7/8/03/51	maileo						Measuring the Ricean K-
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779 AR	10100580		AT&T Wireless	Argentina	10-021-00		A Deal Time System for
				Patent			A Kear-Time System to
	_			Cooperation		· ·	Measuring the Nicean N
100	DCT1 1001 M2854		AT&T Wireless	Treaty	07-Feb-01		Factor and Method for
//9.PCI	FC1/U301/03034			:			Providing Service Provider
•			-				Choice Over a High-Speed
		: :	AT&T Wireless	United States	26-Dec-01		Data Connection
781.US	10/036315		2000	Amondina	12,111,01		Adaptive Dual-Polarization
782.AR	10103358		AT&T Wireless	Argentina	Clock		
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٠,		- 1	.,					·			<u> </u>
	Communication of Orthogonal Frequency	Multicarrier Transmission Using Polarized Antennae	Adaptive Dual-Polarization Communication of Orthogonal Frequency Division Multiplexed Signals	Transmit Power Control for an OFDM-Based Wireless Communication System	Method for Shared Network Modem Dialup Intranet Access Over a Wireless Network Using	Method of Determining RF Coverage Area in a Point- to-Multipoint Transmission System	Method for Providing The Providing Addressed Networks Mithin Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Providing Transparent Public Addressed Networks Within Private Networks	Method for Estimating Changes in Product Life Resulting From HALT Using Exponential
Grant					·						
Application Date		13-Jun-01	14-Jul-00	28-Feb-01	12-Jun-01	05-Jun-01	13-Jun-01	13-Jun-01	18-Oct-01	28-Nov-00	06-Jul-01
Country		Patent Cooperation Treaty	United States	United States	United States	United States	Argentina	Malaysia	Taiwan	United States	United States
Owner		AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number										•	
Application Number		PCT/US01/18993	09/616128	2665785	09/879350	09/874570	10102824	P120012764	90113964	722695	67,006/60
Docket Number		782.PCT	782.US1	784.US	786.US	787.US	789.AR	789.MY	WT.887	789.US	792.US

Docket Application Number Patent Number Number Number Number 793.US 09/878555 Number 794.US 09/878555 Number 798.US 10/627192 A628 802.EPC mailed A628 802.US 4628 A628 816.PCT PCT/US03/08721 A628 816.PCT PCT/US03/08721 A10/116160	nber Owner AT&T Wireless AT&T Wireless	Country Name United States United States	Application G Date	Grant Date	Title
10/627192 10/627192 10/627192 10/627192 10/116160 5					
	AT&T Wireless AT&T Wireless				Acceleration Model
	AT&T Wireless AT&T Wireless				Method for Estimating
	AT&T Wireless AT&T Wireless				Changes in Product Life
	AT&T Wireless AT&T Wireless				Resulting Front CALT
	AT&T Wireless AT&T Wireless				Acceleration Model
	AT&T Wireless	United States	06-Jul-01		
	AT&T Wireless	United States			Turbo Channel Estimation
	Al & Witeless		11-Jun-01		for OFDM Systems
8 2 6					System and Method of
					Assigning Priority to
	-				Remote Units in a Collision
			•		Free Multiple Access
	2 10 1 Wiles	United States	24-Jul-03		Protocol
	AIGH WIIGHESS				System and Method or
					Assigning Priority to
					Remote Units in a Comsion
					Free Multiple Access
	220[05]81 + 0 + 4	United States	25-Jul-02		Protocol
	AIGI WIEEESS	Curanaan Datent			Method for Synchronization
		Culopean raisin	19-Mav-04		of Received Signals
	AT&I Wireless	COLINGILION			Time Synchronization
					Method for Method OFDM
		1 Inited States	22-Oct-01		Signat
	AI&I WIREESS	חוונפת סופונס			A Real-Time Rate Control
		Patent			Mechanism for Multi-Rate
		Cooperation			Data Transmissions in
		Treaty	21-Mar-03		Wireless Networks
	AI&I WIREIESS	110aty			A Real-Time Rate Control
				•	Mechanism for Multi-Kate
		:			Data Transmissions in
		1 Inited States	05-Apr-02		Wireless Networks
	AI&I WIREIESS	Dames Dames			System and Method for
	:				Channel Assignment vital
					Mission Comminications
	ATRT Mireless	United States	24-Apr-02		Wireless Commonication
817.US -374098	CONTRACTOR AND				Multi-Service Network
					Interface Apparatus for
	:	Patent			Frequency-Division
		Cooperation			Multiplexed System
	AT&T Wireless	Treaty	30-Apr-02		Communications Systems

												-
Title	Multi-Service Network Interface Apparatus for Frequency-Division Multiplexed Communications Systems	Prepaid Calling Time Processing: A Method and Apparatus for Processing Pre-Paid Calling Time in a Telephone Communication System	Prepaid Calling Time Processing: A Method and Apparatus for Processing Pre-Paid Calling Time in a Telephone Communication System	Network Protocol Converter	Integration of Wireless and External Computing Devices	HTTP-Based Application Fingerprinting by HTTP Proxy	Terminal Device IP Address Authentication	Location Announcement for Mobile Devices	Method, System and Apparatus for Providing Wireless Identification to Standard Telephone	Providing Lecation Information for Wireless Devices Using Name Service	Distributed Handling of information Directed to a Wireless Device	Method and Apparatus for Providing Quality of Service Through Multiple
Grant Date	03-Feb-04	16-Mar-04							·			
Application Date	12-Jun-01	24-May-00	05-Jan-04	07-Jul-03	15-Sep-03	05-Feb-04	15-Sep-03	14-Oct-03	15-Nov-03	14-0ct-03	11-Feb-04	12-Feb-04
Country Name	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless
Patent Number	6687374	6707894		-								
Application Number	09/879358	09/578031	10/751672	10/615892	1964915	10/773555	1971125	10/685616	60/520073	10/685614	60/543952	10/776507
Docket Number	819.US.D1	852.US	852.US.C1	853.US	854.US	856.US	857.US	862.US	863P.US	874.US	879P.US	880.US

Docket Number Application Number Patent Number Number Number Number Number Number A 883 U.S mailed A 889.US mailed A 889.US mailed A 899.US 10/82187 A 895P.US 60/562785 A 895P.US 60/519947 A 896P.US 60/519947 A 896P.US 60/539780 A 906.US 10/867957 A 906.US 60/539780 A 908.US mailed B 908.US mailed B 908.US mailed B			•	1	••
ber Number Number 60/557153 mailed 10/821608 mailed 10/622187 60/562785 60/519947 S 60/51325 10/867957 mailed mailed mailed mailed s 60/54920		Country	Application Date	Grant Date	Title
60/557153 A A mailed 10/821608 A 10/82187 A 10/763862 A 10/763947 B 60/519947 B 60/549920 B 15 60/549920	Number Owner	Name			Carrier IP Networks
60/557153 A mailed mailed 10/821608 mailed 10/82187 10/763862 5 60/549947 10/867957 10/867957 s mailed					System and Method for
8 60/557153 A mailed 10/821608 P P P P P P P P P P P P P P P P P P P					Planning and Operaung a Telecommunications
8 60/557153 A mailed 10/821608 10/822187 10/63862 10/763862 10/821325 10/821325 10/867957 10/867957 10/8679920		Soft Chatter	25-Mar-04		Network
mailed 10/821608 mailed 10/822187 10/63862 S 60/562785 S 60/519947 10/867957 I mailed mailed mailed s 60/539780 s mailed	AT&T Wireless	United States	201011		Terminal-Based Server for
mailed 10/821608 mailed 10/822187 10/763862 IS 60/562785 S 10/821325 S 10/821325 S mailed S mailed US 60/549920		United States	24-Sep-04		Location Tracking
10/821608 mailed 10/822187 10/822187 10/763862 IS 60/562785 S 10/821325 S 10/867957 S mailed S mailed US 60/549920	AI&I WITEIESS	2000			Sharing Content on Mobile
10/821608 mailed 10/822187 10/763862 10/763862 10/821325 S	Spales (Mireless	United States	09-Apr-04		Devices
S 60/562785 S 60/562785 S 60/519947 S 60/539780 S mailed S 60/549920	SCOOL AND LAND				System and Method for
S 60/562785 10/821325 10/821325 10/821325 10/821325 10/821325 10/821325 10/821325 10/821325 10/821325					1 User I ocation Information
S 60/562785 S 60/562785 S 60/519947 S 60/519947 S 60/539780 S mailed	AT&T Wireless	United States	ZU-May-04		Sparn Control for Share
S 60/562785 S 60/562785 S 10/867957 S 60/539780 S mailed		1 Inited States	09-Apr-04	,	Page in Wireless World
S 60/562785 S 60/562785 S 10/821325 IS 60/539780 S mailed	A1&1 Wireless	Oillien Oillien			Identifying A Device to a
S 60/562785 S 60/562785 S 60/519947 10/867957 IS 60/539780	AT&T Wireless	United States	22-Jan-04		Network
60/562785 60/519947 10/867957 10/867957 6 60/539780 mailed					System for Providing
60/562785 60/519947 10/821325 10/867957 6 60/539780 mailed					Location-Based Services in
60/562785 60/519947 10/821325 10/867957 6 60/539780 mailed S 60/549920					as Locating Sets of
60/562785 60/519947 10/821325 10/867957 6 60/539780 s 60/549920		1 Inited States	15-Anr-04		Desired Locations
60/519947 10/821325 10/867957 60/539780 mailed	Al&i Wireless	Dillo Dallo			Personal Base Station with
60/519947 10/821325 10/867957 60/539780 mailed	ATRT Mireless	United States	14-Nov-03		Wireless Video Capability
- C C C C C C C C C C C C C C C C C C C	CODDIAN IN IN				Managing Differences in
S S					Sharing Content on Mobile
		Softon Charles	. 00.Anr-04		Devices
S S	AT&T Wireless	United States	20.00		Call Handling Scheme to
	apologia TATA	United States	14-Jun-04		Reduce Roaming Charges
	2000				Call Handling Scheme to
	AT&T Wireless	United States	27-Jan-04		Method and System for
Ø					Controlling the Operation
S					of Movable Wireless
S	AT&T Wireless	United States	13-Sep-04		Method and System for
· ·				•	Controlling the Operation
					of Movable Wireless
	AT&T Wireless	United States	05-Mar-04		Networks
					Message Service
915115 10/881672	AT&T Wireless	United States	30-Jun-04		

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Title	Testing for Mobile Device Locator Systems, Such as for E911 Phase II	Wireless Device Service Activation from a Wireless Device	Selection of Bearer Mode According to Message Characteristics	Maintaining Instant Message Session Status in Dynamic Operating Environments	Using Emoticons, Such as for Wireless Devices	Help Buddy for Instant Messaging on a Wireless Device	System and Method for Data Organization and Display in an Instant- Messaging Interface	Dedicated Wireless Device Business Method	Dedicated Wireless Device Business Model	Always On Mobile IM / Messaging Centric Wireless Device	Always On Mobile IM / Messaging Centric Wireless Device	Mobile Communications Device	Wireless Communication System Having Mobile Stations Establish a Communication Link Through the Base Station
Grant Date	525	S & O	S 4 0	2 2 O W	25	120		0 8		Q 2 >	Q 2 >	20	38807
Application Date	19-Aug-04	13-Aug-04	14-Sep-04	14-Sep-04	15-Jul-04	15-Jul-04	03-Sep-04	14-Sep-04	21-Jul-04	10-Sep-04	21-Jul-04	20-Sep-04	30-Aug-96
Country Name	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	Canada
Owner	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless	AT&T Wireless/IXI Mobile	AT&T Wireless/Amel Corp:
Patent Number													
Application Number	mailed	mailed	mailed	mailed	60/588307	60/588110	mailed	mailed	60/590185	mailed	60/590229	mailed	2231255
Docket Number	921P.US		925.US	926.US	927P.US	928P.US	929.US		6	931.US	931P.US	936.US	·

Docket	Application	Patent		Country	Application	Grant	Title
Number	Number	Number	Owner	Уаше	Dage		
			AT&1 Wireless/Atmel Com	Canada	30-Aug-96		Wireless Communication System
237.CA.D1	732195/		AT&T Wireless/Atmel	European Patent Convention	30-Aug-96		Wireless Communication System
237.EPC	96946386.8		AT&T Wireless/Atmel		30-Aug-96		Wireless Communication System
237.JP	354166	2004.00	Corp. AT&T Wireless/Atmel	Mexico	30-Aug-96	15-Jun-01	Wireless Communication System
237.MX	98182/	502420	AT&T Wireless/Atmel Corb.	United States	08-Sep-95	08-Jun-89	Wireless Communication System
237.US	-44343 00/185850	6735432	AT&T Wireless/Atmel Corp.	United States	04-Nov-98	11-May-04	Cordless Cellular System Mobile Telecommunication
237,03.07	60000160	2000 C	AT&T Wireless/Atmel	Canada	30-Aug-96	30-Jul-02	Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds
238.CA	2231370	0.151622	AT&T Wireless/Atmel	Memory	30-Aug-96	16-Jan-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Oifferent Kinds (PBS #3)
238.DE	96940621.4	69618604.7	AT&T Wireless/Atmel	European Patent	30-Aug-96	16-Jan-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds
238.EPC	96940621.4	848888	AT&T Wireless/Atmel		30. Avg. 98	16-Jan-02	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds (PBS #3)
238.FR	96940621.4	848888	Corp.	riance	no Royan		

- Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
238.GB	96940621.4	84888	AT&T Wireless/Atmel Corp.	Great Britain	30-Aug-96	16-Jan-02	Mobile Telechmunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds (PBS #3)
238.JP	9-511293		AT&T Wireless/Atmel Corp.	Japan	30-Aug-96		A Mobile Telecommunicating Device and Method of Operation
238.MX	981819	202427	AT&T Wireless/Atmel Corp.	Mexico	30-Aug-96	15-Jun-01	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds
238.US	-58590	5732360	AT&T Wireless/Atmel Com.	United States	08-Sep-95	24-Mar-98	Mobile Telecommunication Device and Method Used for Changing Wireless Communication Between Base Stations of Different Kinds (PBS #3)
546.EPC	3739732		AT&T Wireless/Nortel	European Patent Convention	11-Feb-03		Centralized Communications Network Charging Methods and Apparatus
546.PCT	PCT/US03/04036		AT&T Wireless/Nortel	Patent Cooperation Treaty	11-Feb-03		Centralized Communications Network Charging Methods and Apparatus
546.US	10/365116		AT&T Wireless/Nortel	United States	11-Feb-03		Centralized Communications Network Charging Method and Apparatus
546P1.US	60/356579		AT&T Wireless/Nortel	United States	11-Feb-02		Telecommunications Network Centralized Charging System Topology
546P2.US	60/356578	•	AT&T Wireless/Nortel	United States	11-Feb-02		Payment Methods and Apparatus
456.US	09/406278		AT&T/AT&T Wireless	United States	24-Sep-99		Method for Implementing Service Logic Via Database Table Transversals

Docket	Application	Patent	,	Country	Application Date	Grant	Title
Number	Number	Number	Owner	Name			Calling Party Paid Wireless Telecommunication
			AT&T/AT&T	Soft Chates	12-Jan-99	30-Oct-01	System
SILIS	09/228646	6311053	Wireless	T			Method and Apparatus to
							Automatic Confirmation of
							Short Message Service
			AT&T/AT&T	0.11.0	OF-Nov-01		Delivery
NO OUS	1818413.8		Wireless	Culna r.r.			Method and Apparatus for
303:CI					•		Network-Assisted
	-				٠		Short Message Service
			AT&T/AT&T	European Patent	10-wold 20		Delivery
000	10000117		Wireless	Convention	10-404-00		Method and Apparatus for
309.Er.C							Network-Assisted
	:			Patent			Charl Message Service
			AT&T/AT&T	Cooperation	oe Nov.04		Delivery
	1004W17334		Wireless	Treaty	0-404-00		Method and Apparatus for
509.PCT	PC1/0501/4/231						Network-Assisted
		2					Automatic Contirmation of
			ATRT/ATRT		:		Delivery
			Wireless	United States	10-von-90		
509.US2	10/011554		T074/7074	European Patent			Wireless Internet Call
			Alal/Ala	Convention	12-Jan-01		Methods and Apparatus for
524.EPC	1100127.8		Wildias		-		Wireless Auto-
		·	AT&T/AT&T	Softed Clates	11-Dec-00		Conferencing
547.115	09/734157		Wireless	Ollifeu States			Methods and Apparatus for
			AT&T/AT&T		nd Son 01		Conferencing
647 11S C1	09/945868	,	Wireless	United States	+-		TDMA Communication
		,	AT&T/AT&T	European Patent	07lun-01		Power Control
703 655	1112965.7		Wireless	Convention			TDMA Communication
330.51			AT&T/AT&T		70	22-lun-04	System Having Entitation Power Control
SI 1 833	-522416	6754506	Wireless	United States	16-reg-01		Method and System for
236.03				<u> </u>			Signaling Presence of Users in a Multi-Networked
			AT&T/AT&T	1 Inited States	07-May-01		Environment
567.US	-615919		VVIIGIGOS	Furnnean Patent	-		Method and Apparatus for
	1112056 B		AT&T/AT&I Wireless	Convention	06-Jun-01		Snaring Withless Control
3/2.EPC	2000				-		

	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
•	09/801635		AT&T/AT&T Wireless	United States	09-Mar-01		Method and Apparatus for Sharing Wireless Content
'''	2411899		AT&T/AT&T Wireless	Canada	15-Nov-02		Progressive Reuse Partitioning for Improved Interference Rejection in Wireless Packet Networks
	1035707		AT&T/AT&T Wireless	United States	15-Nov-01		Progressive Reuse Partitioning for improved Interference Rejection in Wireless Packet Networks
	09/148316	6404753	AT&T/AT&T Wireless	United States	04-Sep-98	11-Jun-02	Method and Apparatus for Controlling Access to a Communication Channel
	PCT/US01/28658		AT&T/AT&T Wireless	Patent Cooperation Treaty	14-Sep-01		Apparatus, System and Method for Validating Integrity of Transmitted Data
	2670533		AT&T/AT&T Wireless	United States	18-Sep-00		Apparatus, System and Method for Validating Integrity of Transmitted Data
	09/783843		AT&T/AT&T Wireless	United States	15-Feb-01		Apparatus, System and Method for Detecting a Loss of Key Stream Synchronization in a Communication System
	2731814.6		AT&T/AT&T Wireless	European Patent Convention	15-May-02	·	Apparatus, System and Method for Validating Integrity of Transmitted Data
	PCT/US02/15451		AT&T/AT&T Wireless	Patent Cooperation Treaty	15-May-02		Apparatus, System and Method for Validating Integrity of Transmitted Data
	09/879575		AT&T/AT&T Wireless	United States	12-Jun-01		Apparatus, System and Method for Validating Integrity of Transmitted Data
	29/021670	D363068	Claircom	United States	21-Apr-94	10-Oct-95	Airline Telephone Handset With Digital Passenger Control Functions and Video Game Controls
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Docket	Application	Patent		Country	Application Date	Grant Date	Title	<u> </u>
Number	Number	Number	Owner				Airline Telephone Handset	dset
			Claircom		, O , S , O , O , O , O , O , O , O , O	23-Jan-96	Control Functions and Video Game Controls	_
186.US.CP1	29/021800	D366482	Communications	United States	46-10W-C7		Airline Telephone Handset	ndset
			Claircom	United States	19-Jun-95	18-Jun-96	With Digital Passering Control Functions and Video Game Controls	
186.US.D1	29/040119	D370910	Claircom				Telephone Handset and	P
187.US	08/482288	5652792	Communications	United States	07-Jun-95	29-Jul-97	Cradie	
TA 004	3256/05	18022	Claircom Communications	Austria	08-Sep-95	20-Oct-95	Telephone Handset	
10.001	1005,1008	77925	Claircom Communications	Canada	07-Sep-95	25-Jan-96	Telephone Handset	
40.00 100 100 100 100 100 100 100 100 100	40507234 A	M9507231 4	Claircom Communications	Germany	07-Sep-95	21-Feb-96	Telephone Handset	T
188.UE	WEST CALLES	054887	Claircom	France	11-Sep-95	09-Feb-96	Telephone Handset	
188.FK	934007 2050278	2050278	Claircom Communications	Great Britain	08-Sep-95	25-Jan-96	Telephone Handset	
186.GD 488 HK	2050278	9900591	Claircom	Hong Kong	10-Mar-95	23-Jul-99	Telephone Handset	
188.KR	16827/1995	192764	Claircom Communications	South Korea	07-Sep-95	03-Feb-97	Telephone Handset	
188 ST	951701	59555	Claircom Communications	Sweden	08-Sep-95	05-Jun-96	Telephone Handset	
188.5G	2050278	2050278	Clair.com Communications	Singapore	08-Sep-95	25-Jan-96	Telephone Handset	
188 U.S.	29/035969	D371553	Claircom Communications	United States	10-Mar-95	96-101-60	Telephone Handset	900
189.EPC	96907201.6		Claircom Communications	European Patent Convention	08-Mar-96		Handset in ah Amrest Tribe Mainted Telephone	rest
180 HK	98106849.3		Claircom	Hong Kong	26-Jun-98		Handset in an Armrest	rest
180118	2548877	5627891	Claircom	United States	10-Mar-95	06-May-97	Handset in an Armrest	rest
20.20								

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Docket	Application	Patent	(Country	Application	Grant	;	· ·
Numper	Number	Number	Owner	Name	Date	Date		Τ
191.DE	29580194.8	29580194.8	Claircom Communications	Germany	25-Apr-95	20-Feb-97	Airplane Telephone	_
191.JP	527740/95		Claircom Communications	Japan	25-Apr-95		Airplane Telephone	
191.KR	10-1996-705967	10-348946	Claircóm Communications	South Korea	25-Apr-95	02-Aug-02	Airplane Telephone	
191.MX	965011		Claircom Communications	Mexico	25-Apr-95		Airplane Telephone	
191.PCT	PCT/US95/04821	95/04821	Claircom Communications	Patent Cooperation Treaty	25-Apr-95	02-Nov-95	Airplane Telephone	
193.US	08/040180	5463678	Claircom Communications	United States	26-Mar-93	31-Oct-95	Credit Card Reader	-
195.US	08/040179	5410597	Claircom Communications	United States	26-Mar-93	25-Apr-95	Wired Seat Back Aircraft Telephone Set	<u>_</u>
196 US	08/040178	5394467	Claircom Communications	United States	26-Mar-93	28-Feb-95	Multi-Purpose Telephone Strain Relief	9
198.US	08/042426	5455964	Claircom Communications	United States	26-Mar-93	03-Oct-95	Stabilization of Frequency and Power in an Airborne Communication System	کے ہو ر
199.US	29/007592	D361568	Claircom Communications	United States	26-Mar-93	22-Aug-95	Airplane Telephone Set	
251.US.C1	08/451719	6393281	Claircom Communications	United States	26-May-95	21-May-02	Seamless Hand-Off for Air- To-Ground Systems	Ar-
259 US C6C2C2	09/451579		Claircom Communications	United States	30-Nov-99		Telephone Distribution System	
259.US.C6C4C1	Mailed		Clair.com Communications	United States	14-Mar-01		Mutit-Nodal Digital Telephone Distribution System Short Massociate Method	
375.US.C1	09/520806	6449287	Claircom Communications	United States	08-Mar-00	10-Sep-02	and System for Airborne Passengers	3 eg
375.US.C1(1)	10/211929		.Claircom Communications	United States	02-Aug-02		Short Messaging Method and System for Airborne Passengers	8 g

	T	ons	ons		tions		tions	ations	ations	ations		ations						itus for	Bullio B	atus for	,	T
	Title	ommunicati	ommunicati		Wireless Communications Terminal		Wireless Communications Terminal	Wireless Communications Terminal	Wireless Communications Terminal	Wireless Communications		Wireless Communications Terminal		Multithreaded Batch Processing System	Multithreaded Batch Processing System	<u>.</u>	Mulithreaded Batch Processing System	Method and Apparatus for	Processing Discrete billing Events	Method and Apparatus for Descession Discrete Billing	D	
,		Wireless Communications Terminal	Wireless Communications	Terminal	Wireless C Terminal		Wireless C Terminal	Wireless (Terminal	Wireless (Wireless (Terminal	Wireless (Multithres Processir	Multithrea Processir		Multithre	Method	Processi Events	Method	Events	+
Grant	Date	10-Apr-95		29-Sep-95	29-Sep-95		31-Mar-95	20-Apr-00	76-Feb-96		05-Jul-95	05-101-95		16-Mar-04	18.Dec.01		16-Sep-97		-		03-Mar-98	
Application	Date	14 000 94	1000	21-Dec-94	21-Dec-94		22-Dec-94	22-Dec-94	10 00 cc	77-Dec-34	22-Dec-94	22.700.94	2000-77	04-Sep-01	20	04-2011-97	19-Apr-94		23_Feb-95		19-Anr-94	
Country	Name		Germany	Finland	profes		France	Vicil.		Japan	Sweden		Sweden	United States		United States	States			Callada	Inited States	ביים כישופים
	Owner	 		McCaw Cellular Communications		Communications	McCaw Cellular Communications	McCaw Cellular	McCaw Cellular	Communications	McCaw Cellular Communications	McCaw Cellular	Communications	Teleflex Information	Teleflex Information	Systems, Inc.	Teleflex Information	Systems, Inc.	Teleflex Information	Systems, Inc.	Teleflex Information	Cretome Inc
•	Patent	I anima	M9409857.3	17729		17730	946994		69309	953799	57901		57902		6708226	6332167		5668993				
	Application	Number	M9409857.3	861/04		862/94	760970		T0940000254	39446/1994	942575		942576		09/944380	08/868942		08/229526		2184368		
	Docket	Number	153.DE			153.FL.2 E	9		153.IT	153.JP			153.SE.2		. 2001-TE001	2001-TE001		2001-TE001		2001-TE002		

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
2001-TE003	09/938827	6658488	Teleflex Information Systems, Inc.	United States	27-Aug-01	02-Dec-03	No-Reset Option in a Batching Billing System
2001-TE003	09/340384	6282519	Teleflex Information Systems, Inc.	United States	28-Jun-99	28-Aug-01	No-Reset Option in a Batch Billing System
2001-TE003	08/377610	5999916	Teleflex Information Systems, Inc.	United States	25-Jan-95	07-Dec-99	No-Reset Option in a Batching Billing System
2001-TE003.C1	10/622106	-	Teleflex Information Systems, Inc.	United States	17-Jul-03		No-Reset Option in a Batching Billing System

Supporting Documentation Showing Evidence of Chain of Title for Patent Applications

The following documents represent evidence of the chain of title of all AT&T Wireless application to Cingular Wireless II, LLC.

- New Cingular Wireless Services, Inc. Secretary Certificate signed by Caroline Wilder, Assistant Secretary. This document certifies the following:
 - a) Agreement and Plan of Merger was entered into by AT&T Wireless Services, Inc. (ATTW), Cingular Wireless Corporation, Cingular Wireless, LLC and Links I Corporation whereby ATTW would be merged in to Links I. Whereby ATTW would be the survivor of the merger.
 - b) A true and correct copy of the Certificate of merger filed with the Delaware Secretary of State is attached and remains in effect.
 - As a result of the merger, ATTW becomes a wholly owned subsidiary of Cingular Wireless, LLC.
 - d) The name of ATTW was changed to New Cingular Wireless Services, Inc. on 10/24/2004.
 - e) A true and correct copy of the name change of ATTW is attached and remains in effect.
- 2) A true and correct copy of the Certificate of Merger filed with the Delaware Secretary of State.
- 3) A true and correct copy of the name change of ATTW.
- 4) A true and correct copy of the <u>Certificate of Conversion</u> showing change of status of CWII, Inc to CWII, LLC.

CIRRY & Authorities Collins

NEW CINGULAR WIRELESS SERVICES, INC.

SECRETARY'S CERTIFICATE

I, Carolyn J. Wilder, do hereby certify that I am a duly elected, qualified and acting Assistant Secretary of New Cingular Wireless Services, Inc., a Delaware corporation, and as such I am authorized to execute this certificate. In such capacity, I further certify that:

- 1. An Agreement and Plan of Merger (the "Agreement") dated as of February 17, 2004 was entered into by and among AT&T Wireless Services, Inc., Cingular Wireless Corporation, Cingular Wireless LLC and Links I Corporation, a wholly-owned subsidiary of Cingular whereby AT&T Wireless Services, Inc. would be merged into Links I Corporation upon the terms and conditions of the Agreement, and AT&T Wireless Services, Inc. would be the survivor of the merger.
- 2. The merger of AT&T Wireless Services, Inc. into Links I Corporation was consummated on October 26, 2004.
- 3. The attached Exhibit "A" is a true and correct copy of the Certificate of Merger filed with the Delaware Secretary of State and that said Certificate of Merger remains in full force and effect on the date hereof.
- 4. As a result of the consummation of the merger, AT&T Wireless Services, Inc. became a wholly-owned subsidiary of Cingular Wireless LLC.
- 5. The name of AT&T Wireless Services, Inc. was changed to New Cingular Wireless Services, Inc. on October 26, 2004.
- The attached Exhibit "B" is a true and correct copy of the Certificate of Amendment to The Certificate of Incorporation of AT&T Wireless Services, Inc. changing the name of the corporation to New Cingular Wireless Services, Inc. as filed with the Delaware Secretary of State and that said Certificate of Amendment to The Certificate of Incorporation remains in full force and effect on the date hereof.

IN WITNESS WHEREOF, I have subscribed my name as Assistant Secretary of the Company this 11th day of May, 2005.

Carolyn J. Wilder, Assistant Secretary

Delaware

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"LINKS I CORPORATION", A DELAWARE CORPORATION,

WITH AND INTO "AT&T WIRELESS SERVICES, INC." UNDER THE NAME OF "AT&T WIRELESS SERVICES, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 10:11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



AUTHENTICATION: 3434252

DATE: 10-26-04

2131363 8100M

SEVENTH: This certificate of merger shall be effective upon its filing with the Secretary of State of the State of Delaware.

IN WITNESS WHEREOF, this Certificate of Merger has been executed by the undersigned, a duly authorized officer of the Surviving Corporation, on behalf of the Surviving Corporation as of the State of the State of Certain and Corporation as of the State of Certain Corporation as of the State of Certain Certain

AT&T WIRELESS SERVICES, INC.

Rv

Name John D. 2 dis

Title: Chief Executive Officer

TIS DIES DUAK (EST)

SEVENTH. Any action required or permitted to be taken by the holders of Common Stock of the corporation, including but not limited to the election of directors, may be taken by written consent or consents but only if such consent or consents are signed by all holders of Common Stock.

EIGHTH. A director of the corporation shall not be liable to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director, except to the extent that such exemption from liability or limitation thereof is not permitted under the Delaware General Corporation Law as currently in effect or as the same may hereafter be amended. No amendment, modification or repeal of this Article EIGHTH shall adversely affect any right or protection of a director that exists at the time of such amendment, modification or repeal.

CTES MAR IS BEATS CLLI

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AT&T WIRELESS SERVICES, INC.", CHANGING ITS NAME FROM "AT&T WIRELESS SERVICES, INC." TO "NEW CINGULAR WIRELESS SERVICES, INC.", FILED IN THIS OFFICE ON THE TWENTY-SIXTH DAY OF OCTOBER, A.D. 2004, AT 11:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Warriet Smith Windson

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3434831

DATE: 10-26-04

2131363 8100

TELS PROBLEM AND COME

State of Delaware
Secretary of State
Division of Corporations
Delivered 11:23 AN 10/26/2004
T FILED 11:01 AN 10/26/2004

CERTIFICATE OF AMENDMENT FILED 11:01 AM 10/26/2004 TO THE SRV 040770545 - 2131363 FILE

CERTIFICATE OF INCORPORATION OF

AT&T WIRELESS SERVICES, INC.

AT&T Wireless Services, Inc., a corporation organized and existing under and by virtue of the Delaware General Corporation Law (the "Corporation"), does hereby certify:

FIRST:

That on October 2, 2004, the Board of Directors of the Corporation adopted resolutions setting forth a proposed amendment to the Certificate of Incorporation of the Corporation, declaring said amendment to be advisable and submitting the proposed amendment to the sole stockholder of the Corporation for its consideration and approval. The proposed amendment is as follows:

NOW, THEREFORE, BE IT RESOLVED, that the Certificate of Incorporation of the Corporation be amended by deleting the first paragraph in its entirety and replacing it with a new first paragraph to read as follows:

"FIRST. The name of the corporation is New Cingular Wireless Services, Inc."

SECOND:

That thereafter on October 2, 2004, said amendment was duly adopted by written consent of the sole stockholder of the Corporation in accordance with the provisions of Sections 228 and 242 of the Delaware General Corporation Law.

[Signature on following page]

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IN WITNESS WHEREOF, AT&T Wireless Services, Inc. has caused this Certificate of Amendment to be signed by a duly authorized officer this 20 day of October, 2004.

AT&T WIRELESS SERVICES, INC.

Name: Cardom J. Wilder

Title Assistant Scuretary

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PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF CONVERSION OF A DELAWARE CORPORATION UNDER THE NAME OF "CINGULAR WIRELESS II, INC." TO A DELAWARE LIMITED LIABILITY COMPANY, CHANGING ITS NAME FROM "CINGULAR WIRELESS II, INC." TO "CINGULAR WIRELESS II, LLC", FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 10:27 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF CONVERSION IS THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 8:45 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Varriet Smith Windsor, Secretary of State

3858251 8100V

040774599

AUTHENTICATION: 3437873

DATE: 10-27-04

LIS PACE BLANK (EPT)

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State of Delaware Secretary of State Division of Corporations Delivered 10:47 AM 10/27/2004 FILED 10:27 AM 10/27/2004 SRV 040774599 - 3858251 FILE

CERTIFICATE OF CONVERSION OF CINGULAR WIRELESS II, INC. TO BECOME A LIMITED LIABILITY COMPANY

Pursuant to the provisions of Section 266 of the Delaware General Corporation Law and Section 18-214 of the Delaware Limited Liability Company Act, Cingular Wireless II, Inc., a Delaware corporation (the "Corporation"), submits the following Certificate of Conversion:

- 1. The name of the Corporation is Cingular Wireless II, Inc.
- The date on which the Corporation's original Certificate of Incorporation was filed with the Secretary of State is September 22, 2004.
- The name of the limited liability company into which the Corporation is being converted
 is Cingular Wireless II, LLC.
- 4. The conversion has been approved by written consent of the sole stockholder of the Corporation pursuant to Section 228 of the Delaware General Corporation Law in accordance with the provisions of Section 266 of the Delaware General Corporation Law.
- 5. The conversion shall be effective at 8:45 p.m. EDT on October 27, 2004.

[Signature on following page]

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IN WITNESS WHEREOF, Cingular Wireless II, Inc. has caused this Certificate of Conversion to be executed by a duly authorized officer this $27^{\frac{1}{10}}$ day of October, 2004.

CINGULAR WIRELESS II, INC.

By. _____

-2-

LIS PAGE BLANK (USPTO)

Delaware

PAGE 2

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY THAT THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF FORMATION OF "CINGULAR WIRELESS II, LLC" FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF OCTOBER, A.D. 2004, AT 10:27 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF
THE AFORESAID CERTIFICATE OF FORMATION IS THE TWENTY-SEVENTH DAY
OF OCTOBER, A.D. 2004, AT 8:45 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Darriet Smith Hindson

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3437873

DATE: 10-27-04

3858251 8100**V**

040774599

THIS PAGE BLAINN (USA),

State of Delaware Secretary of State Division of Corporations Delivered 10:47 AM 10/27/2004 FILED 10:27 AM 10/27/2004 SRV 040774599 - 3858251 FILE

CERTIFICATE OF FORMATION OF CINGULAR WIRELESS II, LLC

- 1. The name of the limited liability company is Cingular Wireless II, LLC.
- 2. The address of its registered office in the state of Delaware is Corporation Trust Center, 1209 Orange Street, in the City of Wilmington, County of New Castle. The name of its registered agent at such address is The Corporation Trust Company.
- 3. This Certificate of Formation shall be effective at 8:45 p.m. EDT on October <u>27</u>, 2004.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Formation of Cingular Wireless II, LLC this 27thday of October, 2004.

Scott L. O'Melia
An Authorized Person

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Form RIP 1675 (Rev. 09/04) MDNo. 0651-0087 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office
RECORDATION FORM	
APR 2 6 2006 (m) PATENTS	
To the Director of the U.S. Patent and Trademark Office: Please	e record the attached documents or the new address(es) below.
1. Name: conveying party(ies)/Execution Date(s):	2. Name and address of receiving party(ies)
AT&T Wireless Services, Inc.	Name: Cingular Wireless II, Inc.
	Internal Address: Suite 1700
Execution Date(s) 5/26/2005	Street Address: 5565 Glenninge Conn.
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance:	
Assignment Merger	City: Atlanta
Security Agreement Change of Name	State: Georgia
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country: USA Zip:
Other	Additional name(s) & address(es) attached? Yes No
	document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
See Attached Sheets	
Additional numbers at	tached? ✓ Yes No
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved: 33
Name: Cingular Wireless, LLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 1320.00
Internal Address: Attn: Linda Giles; #1725A	Authorized to be charged by credit card
The first of the f	Authorized to be charged to deposit account
Street Address: 5565 Glenndge Connector	☐ Enclosed
Street Address. 5000 Claimings	None required (government interest not affecting title)
	8. Payment Information
City: Atlanta	a. Credit Card Last 4 Numbers
State: Georgia Zip: 30066	Expiration Date
Phone Number: (404) 236-6720	b. Deposit Account Number 50-2450
Fax Number:	Authorized User Name Coulter C. Henry
Email Address: linda.giles@cingular.com	
9. Signature: Coult Coul	5/26/2005
₩ Signature	Date
Coulter C. Henry; Reg. No.: 51,121	Total number of pages including cover sheet, attachments, and documents:

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Patent Applications Subject to Assignment Cingular Wireless II, Inc. May 26, 2005

,	
10/965,466	10/937,300
11/000,353	11/017,787
11/105,049	11/036,159
11/054,695	
10/933,677	
11/097,459	
10/929,732	
29/213,592	
10/990,106	
10/990,111	
10/990,105	
10/950,034	
10/989,710	
10/940,576	
10/939,103	
10/959,553	
10/990,635	
11/087,390	
10/943,500	•
11/058,103	•
11/051,493	
11/022,048	• 1
11/018,780	
10/963,838	
11/065,971	
10/984,618	
11/092,511	
11/092,199	P VOO- 7) CO
	-CING-0011
10/939,366	

CTSED NUMBER DELINE

SECOND AMENDMENT TO PATENT ASSIGNMENT AGREEMENT

This Second Amendment To - PATENT ASSIGNMENT AGREEMENT is made this 26th day of May, 2005 and is added to and amends the PATENT ASSIGNMENT AGREEMENT by and between New Cingular Wireless Services, Inc., a Delaware corporation ("Assignor") f/k/a AT&T Wireless Services, Inc. as ASSIGNOR and Cingular Wireless II, Inc., a Delaware corporation as ASSIGNEE, which the Patent Assignment Agreement is dated the 27th day of October, 2004.

Schedule A is hereby amended in accordance with the attached additions.

All other provisions in the Patent Assignment Agreement and Schedule A shall remain unchanged and in full force and effect.

[signatures on following pages]

--- TORE OF ANK (USPTO)

Executed this 26th day of May, 2005.

Assignor: New Cingular Wireless Services, Inc. f/k/a AT&T Wireless Services, Inc.

By: Name:

Title:

Sean Foley
Vice President, Treasurer and Corporate Development

APPROVED

ATTORNEY

STATE OF

COUNTY OF

On this 26th day of May, 2005, before me, a Notary Public in and for the State and County foresaid, personally appeared Sean State wireless Services, Inc., known by me to be the person above named and an officer of New Cingular Wireless Services, Inc., duly authorized to execute this Assignment Agreement on behalf of New Cingular Wireless Services, Inc., who signed and executed the foregoing instrument on behalf of New Cingular Wireless Services, Inc.

Notary Public My Commission Expires:

inda S. Siles

Notary Public, Cobb County, Georgia My Commission Expires March 16, 2008 TO STATE OF MARK (SPIO)

Acknowledged this 26th day of May, 2005.

Assignee: CINGULAR WIRELESS II, INC.

By: Name:

Title:

Sean Foley

Vice President, Treasurer and Corporate Development

APPROVED

ATTORNEY

STATE OF

COUNTY OF

2612 154

On this 13 day of May, 2005, before me, a Notary Public in and for the State and County foresaid, personally appeared _ Sean Incless known by me to be the person above named and an officer of Cingular Wireless II, Inc., duly authorized to execute this Assignment Agreement on behalf of Cingular Wireless II, Inc., who signed and executed the foregoing instrument on behalf of Cingular Wireless II, Inc.

Notary Public My Commission Expires:

Linda S. Giles

Notary Public, Cobb County, Georgia My Commission Expires March 16, 2008 COLS PASE SEARK (ESPO)

Schedule A (2nd Revision)

Docket Number	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
917.US	10/965,466		AT&T Wireless	USA	10/13/2004		Adjusting Link Layer Control Frame to Facilitate Data Throughput
504 18 Ct	11/000 353		AT&T Wireless	USA	11/29/2004		A Method for Programming a Mobile Station Using a Permanent Mobile Station Identifier
606 US CP4/4)	11/105 049			USA	4/11/2005		Secure Online Purchasing
883118	11/054 695		AT&T Wireless	NSA	2/10/2005		System and Method for a Telecommunications Network
31000	10/033 677		AT&T Wireless	USA	9/03/2004		System and Method for Data Organization and Display in an Instant-messaging interface
783 1 567	44/007 450		AT&T Wireless	ASI	4/01/2005		Adaptive Dual-polarization Communication of Orthogonal Frequency Division Multiplexed Signals
1000000	60 t 60 c 6 c 6 c 6 c 6 c 6 c 6 c 6 c 6 c 6		A T & T Mireless	δο. Το Φοία	8/30/2004		System and method for Data Scrambling to Reduce the Crest Factor in an OFDM Waveform
130.051	29/213.592		AT&T Wireless	USA	20-Sep-2004		MOBILE COMMUNICATIONS DEVICE
806	10/000 106		AT&T Wireless	USA	15-Nov-2004		SUBSCRIBER INDENTITY MODULE WITH VIDEO PERMISSIONS
896.US.D1	10/990,111		AT&T Wireless	USA	15-Nov-2004		PERSONAL BASE STATION WITH WIRELESS VIDEO CAPABILITY

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Schedule A (2nd Revision)

Docket	Application Number	Patent Number	Owner	Country Name	Application Date	Grant Date	Title
							METHOD, SYSTEMS AND APPARATUS FOR PROVIDING
. SI E 20	10/000 105		AT&T Wireless	USA	15-Nov-2004		WIRELESS IDENTIFICATION TO STANDARD TELEPHONE
50.500	40,050,034		AT&T Wireless	USA	24-Sep-2004		A STANDARDS-BASED TERMINAL LOCATION SERVER SOLUTION FOR LOCATIONS
20.00	100,000				7000		OVER THE AIR PROGRAMMING/ACTIVATION FOR SIM ENABLED DATA DEVICE
893.US	10/989,710		AT&T Wireless	USA	15-NOV-2004		
	27.00.00		AT&T Wireless	ASI.	14-Sep-2004		DEDICATED WIRELESS DEVICE BUSINESS MODEL
930.03	07640,970				40 Coo 2004		ALWAYS ON MOBILE IM / MESSAGING CENTRIC WIRELESS DEVICE
931.US	10/939,103		Ala Wireless	400	06 Oct 2004		IMPROVING VOICE QUALITY RASED ON CLISTOMER FEEDBACK
924.US	10/959,553		A i & i wireless	Ven .	00-00-200		Method and System for Providing
939.US	10/990.635		AT&T Wireless	USA	17-Nov-2004		Location Information for emergency Services
4EG 11C 02073)	11/087 300		AT&T Wireless	USA	3/22/2005		Cyclic Trellis Coded Modulation
00.00.00				\ <u>0</u>	0/17/2004		Methods and Systems for Communicating and Controlling Facsimile Information
490.US.C1	10/943,500		AT&T Wireless	ASI	2/14/2005		System and Method for Providing an Adapter Module
577 [184	11/051 493		AT&T Wireless	USA	2/4/2005		System and Method for Providing an Adapter module
702 11S C:172)	11/022 048		AT&T Wireless	USA	12/22/2004		Method for Frequency Division Duplex Communications
			200 C. I.A. T. O.T.A.	Φ 0	12/21/2004		Low complexity Maximum Likelihood Detection of Concatenate space Codes for Wireless Applications
731.US.D1C2	11/018,780		Alai Wireless	Ven	125112001		

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Schedule A (2nd Revision)

Docket	Application	Patent		Country	Application		
Number	Number	Number	Owner	Name	Date	Grant Date	Title
735.US.C1(1)	10/963.838		AT&T Wireless	USA	10/12/2004		Maximum Ratio Transmission
							System and Method for Providing
							Location-based Services in a Wireless
·							Network, Such as Providing
				<u>-</u>			Notification Regarding Meetings,
890.US	11/065,971		AT&T Wireless	USA	2/24/2005		Destination Arrivals, and the Like
							System for Providing Location-based
	-						Services in a Wireless Network, Such
895.US.C1	10/984,618		AT&T Wireless	NSA	11/08/2004		as Locating Sets of Desired Locations
							Using Emoticons, Such as for
927.US.C1	11/092,511		AT&T Wireless	USA	3/28/2005	•	Wireless Devices
							Customer Service Messaging, Such
928.US.C1	11/092,199		AT&T Wireless	NSA	3/28/2005	•	as on Mobile Devices
							Method and System for controlling the
					•		Operation of Movable Wireless
908.US	10/938,569		AT&T Wireless	NSA	9/13/2004		Networks
					-		Method for Location-Based Asset
733.US.C1	10/939,366		AT&T Wireless	NSA	9/14/2004		Management
	-						Method and System for Providing
			-				Data Communication with a Mobile
333.US.C1(1)	10/937,300		AT&T Wireless	USA	9/10/2004		Station
422.US.C1	11/017,787		AT&T Wireless	USA	12/22/2004		Integrated Number- Phase 1
							Method and Apparatus for Message
301.US.C1(1)	11/036,159		AT&T Wireless	USA	1/18/2005		Transmission Verification

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